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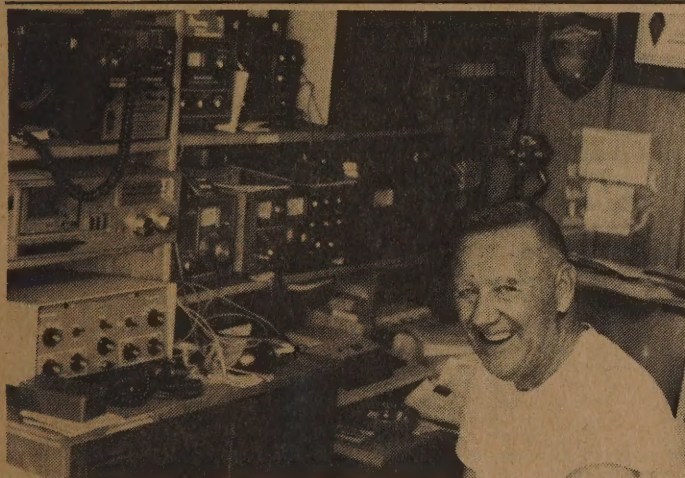
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VOL. 29 No. 8

THE ALL-FLORIDA AMATEUR RADIO PUBLICATION

January 1986.

Price 50 cents



A couple months ago we showed you the antenna party Tom Middleton WB4CKY of Hollywood put on. Here is the inside shack that feeds all those fancy antenna in his back yard.

HURRICANE ELENA AND AMATEUR RADIO A WTVT EDITORIAL, TAMPA, FL

Before Hurricane Elena faces too far in our memories, there are some people who are due some words of thanks. We're talking about amateur radio operators. These dedicated volunteers assisted in finding shelter for thousands who had to evacuate and assisted in medical emergencies. Through amateur radio, out-of-state families were able to contact their loved ones when the phone lines sometimes refused to work. The same was true in Mexico City. Minutes after the first earthquake ravaged that city, the

QSY BACK PAGE COL. 1

SEASONS GREETINGS FROM YOUR FLORIDA SKIP STAFF.

COMING EVENTS

Sarasota Hamfest, Jan. 11 & 12, 1986
Miami Hamboree, Feb. 8 & 9th
Inverness Hamfest, Feb. 8th
Pinellas Park Boys Club Hamfest Feb. 16th
Stuart Outdoor Freefest Feb. 22nd
Hernando/Brooksville Hamfest Mar. 1st.
Ft. Myers Hamfest, Mar. 1st.
Orlando Hamcation, Mar. 7, 8 & 9th.
(To prevent date conflicts, please send in your Hamfest dates early as possible. Editor.)

SECOND CLASS MAIL

BICYCLES IN THE GLADES

By Richard J. Martone, N4ALR

In the month of Sept. all bicycle clubs in the U.S. that are affiliated with the League of American Wheelman, sponsor Century Month. In this area the Everglades Bicycle Club has an annual Century Ride. It is an achievement event and not a race. Patches are awarded to riders who complete the trip, in the allotted time or less.

A group of amateur radio operators provided communication coverage for the route.

Paul, KA4MRI; Gus, KB4PEZ; Harry, W4SQG; Nick, KB4LGD; Lou, KB4ONG and Vern, WA4ITK, were involved with sag wagons (poop-out vans) to patrol certain parts of the route. Their job was to relay important information regarding riders in need of aid, check for emergency actions needed and in general keep the Ride chairman informed.

The South Florida FM Association had twice before participated in the Ride. Former SFFMA President Dave Burger, WB4MDY, headed net control from 7 a.m. until noon, and club Treasurer Bill, WA4LLJ, headed the net in the afternoon.

The SFFMA repeaters on 146.40/00 and 146.16/76, were put to good use.

Check points throughout the Ride were covered at various times by George, KA4HAZ; Stan, WA4HNV; Randy, WA2OMT; Tony, N4LJM and Joe, KF4AX.

The day began with registration at Continental Park, in the Dadeland area, until 7:30 a.m. It was a sunny morning. The Ride started at that location. It was then time for the riders to head for the Fruit and Spice Park and into the Everglades National Park, where cyclist Vern, WA4ITK, stationed himself after a 35 mile ride, to be of help. The turnaround location was at the PA-HA-OKEE lookout tower (50 mile point). The same route was taken back.

There were no real emergencies in this year's Ride, but amateur radio was especially helpful at one point. Three riders fell and were slightly injured. This information was relayed to a checkpoint, where it went out over the ham net. Rene Freret, N4MHL, one of the founders and a member of the Everglades Bicycle Club was one of two ham cyclists riding the route. He reached the scene of the problem and gave net control the precise location where the riders could be found. Net control then dispatched a sag wagon to pick up the riders.

The statistics of the event reveal that: 114 riders completed the 100 mile ride, 770 completed the 50 mile ride, 32 completed the 25 mile Ride, giving a total of 216 who successfully completed the event. The fastest rider to complete the course took 5 hours and 3 minutes.

Amateur radios' assistance was greatly appreciated by many cyclists for the fine job the hams did, by being there to help, if needed.

W4RH WINS RE-ELECTION AS ARRL SOUTHEASTERN DIRECTOR

Results of the ARRL Southeastern Director race show Frank Butler, W4RH, of Ft. Walton Beach, Fla. winning re-election. Totals were W4RH-3,777; Carl Henson, WB4ZNH-1,345.

The new term of office begins January 1st and lasts two years. Vice-Director is Evelyn Gauzens, W4WYR who ran unopposed. Congratulations to those who ran in the race.

K4AO RBMURPHY 12-23-85 Jan 86

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Andy Clark, W4IYT, Editor/publisher
Betty Clark, W4GGQ, Business Manager.
Anne Clark, Production & Lay-out Mgr.
Bob Denton, WB4FGL, Ploof Reader
Vance Murr W4FWI, Mailing Dept.
Bud Miller, KA4AIK, Mailing Dept.
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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266

SILENT KEYS

We are deeply sorry to report the passing of the following Florida amateurs.

K4KLZ	K. Haile	Sun City Center
K4CBT	Mason Sherrill	Tavernier
W4IKG	Harold Weinberger, 80	Miami Beach
WB4JGC	Dr. W. M. Wattles	Ocala
WB4ANW	Quinton R. Kellems	Jacksonville
W4FBL	Kenneth B. Kroier	Jacksonville
K4ITR	Robert J. Curry	St. Petersburg
W3HLI	Merv Pentz	Key Largo
KB4BXV	James F. Prime	Vero Beach
K4DOT	Levert L. Keeling	Pensacola
KB4NL	Charles W. Winter, Jr.	Marathon
W4OIV	Clarence H. LeBrun	Sarasota
W4PSB	Joseph M. Richards	Lauderhill
WB4QFH	Walter V. Wilson	West Palm Beach
KA4UNU	Reuben E. Potratz	Holiday

EX CALLS

The EX CALLS keep coming. Have you sent in yours ? ? FS has printed more EX CALLS than any other amateur publication.

W4MIF	ex	K2ZIZ
W4PLH	ex	K3RWL
W8IM	ex	K8RXD, KG6ARQ
W4PFQ	ex	K8LQY
W4PFJ	ex	K8LSH
WN4K	ex	W2MUL, K3GKE
N4LUQ	ex	KA4NST
AA4JT	ex	KA4TNW
KJ4CL	ex	KB7OF W3IEM W2FIL W6NXX
WB4DJM	ex	W9AIH
N4LPI	ex	KB4GZL
KI4T	ex	WA2IYW
WA4JSE	ex	WN4UKE
W5TMS	ex	W7JSF W5YII W3EYQ W0MSK W5TMS
		W7LUG.
N4JZB	ex	KN5JBW WB5LSU LU2ELY PT2ZDN.

LETTERS

Dear Andy,

Your reprint of LC4XP's story about his 2-meter fouling the "brain-box" in his new Toyota, inspired me to write this article about a VHF/HF installation in my 1981 VW Rabbit. It is pertinent to Mr. Gilliam's trouble, but first I would like to describe my installation, because I believe it is unique and may be of interest to some of your readers.

I make only one or two long trips by automobile each summer, generally to the mid-west. Being a widower, living alone, I also travel alone. A 2-meter rig in the Rabbit was good company on these trips, besides being a safety feature in event of an emergency. However, I am basically a CW operator, and on these previous trips I missed my daily (CW) schedules with friends around the country.

This past summer, before starting on the trip north, I decided that somehow or other I'd take my Ten-Tec Omni along to maintain these daily schedules and keep in touch back home in Bradenton. It took a bit of ingenuity, but as the photos show, I made it! Incidentally, the photos were taken by my friend Barry Yoder W8SJO/4.

The Omni is not exactly a tiny rig, and as most of us have discovered, the modern automobile doesn't have much metal in the dashboard region for ham-radio installations. It was only by removing the ash tray that I was able to mount the smaller 2-meter rig under the dash. Since I don't have a passenger on these trips, it seemed the only logical place to mount the Omni and be able to tune and operate it, was alongside me, over the front passenger seat.

A framework was constructed of PVC pipe and a piece of plywood (covered with braid

rug) attached to it to form a table or platform for the Omni. The latter was fastened to the table with two clamps over the "bail" in front, and by a heavy wire attached to the ground terminal in the rear and run thru a hole in the table and secured below. The frame was built with the forward support sloping forward to rest on the floor of the car in the "bite" where it begins to rise up toward the firewall. The aft support was made shorter and vertical, and set on the passenger seat against the backrest. The seat belt was used to hold this end secure. The adjustable feature of the backrest was used to push the frame forward snugly against the dashboard just below the glovebox. This made a very sturdy installation and took only a few minutes to put in place or remove.

The HF antenna was mounted on the right hand side of the rear bumper (the 2-meter antenna is a mag-mount on the roof). A single 1/2" hole in the top of the bumper allowed use of a simple feed-thru mount. The antennas are helically wound, center loaded, mono-band types with quick disconnect fittings. These antennas present very little wind load, and the use of a spring is not necessary as long as reasonable precautions are taken to avoid low overhead obstructions. The top of the antenna extends to only about 9-1/2 feet off the roadway.

Another installation problem was mounting my bug-key so that I could use it while "underway." The configuration of the Rabbit's dash made the solution rather simple. As the pictures show, the bug was placed on the sloping portion of the dash, to the right of center. It was held in place with double-sided adhesive tape, but I believe Velcro material would probably be better. In this position, it was very easy and comfortable for me to reach over and operate the bug, while keeping the other hand on the steering wheel. With the bug placed fore and aft, car vibration and bumps in the road did not cause false keying. Only when going around corners too fast would the bug key itself. The straight key shown was for emergency use only - hi!

Results with this mobile HF installation far exceeded my expectations. To date I have only operated on the 20 and 40 meter bands, but on this last trip I maintained daily scheduled with friends here in Florida and in other parts of the country, while traveling the interstates and also while in the St. Louis area. So much for that!

Now, getting back to KC4XO's problem of RFI in his Toyota. First of all, I've had no problem with malfunction of the Rabbit's electronic ignition or other accessories while operating on the 2-meter band.

Initial HF operations of the Omni were on the 40 meter band. While underway, the Rabbit ran normally, but there was intermittent flashing of one or two of the idiot lights when the transmitter was keyed. On 20 meters it was a different story. The first time I operated on that band, while underway, besides the idiot lights flashing, when I keyed the transmitter the electronic ignition cut-off. Fortunately, it would immediately return to normal operation when I unkeyed the transmitter, and there was no apparent damage to the "brain-box." BUT — picture yourself going down the interstate at the legal speed (give or take 5 MPH) and imagine the shock when suddenly the engine cuts off! My Rabbit does not have automatic transmission, and it slows down rather suddenly when power is cut-off. I found that out the hard way! Needless to say, on the rest of the trip whenever I wanted to operate on 20 meters, I'd pull over off the road and stop.

Since returning from that trip I have made a few minor changes. A piece of RG-8/U coax cable has replaced the original unshielded direct 12-volt circuit from the battery to the Omni. A choke/capacitor assembly (normally used on alternators to reduce "hash" QRM in the receiver) and a feed-thru bypass capacitor were placed in the circuit at the battery. Also, for good measure, ferrite beads were placed on the battery leads close to the Omni input. Brief tests on 20 meters indicate these changes may have solved the ignition cut-off problem, but the idiot lights still flash. Further tests will be made, but in the meantime I am waiting for a reply to my letter to the VW folks, hoping they will offer some practical suggestions.

I really don't expect much, if any help from them — any more than KC4XO received from Toyota.

You may be wondering why I haven't made any reference to ignition and or alternator "hash" interfering with reception on the HF bands. Well, there certainly is some of that QRM, not severe, and the Omni noise blander helps reduce it a bit. But, first things first. Solving the brain-box cut-off problem carries the higher priority, and when that is solved, then I will consider ways of reducing QRM.

If any of your readers have had some experience in these matters — especially with fuel-injected, electronic ignition vehicles, I would be very happy to hear from them.

I wish you and yours a Very Merry Christmas and a Happy, Healthy and Prosperous New Year. Sincerely, Daniel B. Courtney, K4HDV 2210 21st St. West Bradenton, FL

LETTERS TO THE EDITOR:

We sincerely sympathize with Dave, KL7HG, and his loss due to counterfeit money. Sherlock's solution is as follows:

Assuming both bank institutions are innocent, that leaves only four people who handled the funds, one of them, Dave, is of course not guilty since he is the one who lost money. This leaves the other three persons as suspects, namely the two bank tellers and the other ham, and one of the three is possibly working their own little personal counterfeit money passing scam.

Dave should have these individuals investigated by the IRS to determine if any are living a life style with possessions beyond their known and reported income. It works.

Signed, QSY p.5 INSPECTOR (HI HI) CRESS, K4YL
Bradenton, FL

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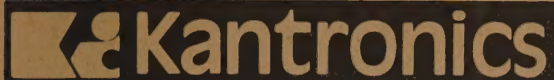
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FT. MYERS RADIO CLUB By Peggy Cummings, KY8Y

The Fort Myers Amateur Radio Club held a test session on November 16th. Congratulations to the following upgrades:

Fred Ecklund, KA4YHD to General
Bob DeFosses, N4FGG to Extra
Bob Roper to Novice
Ray Pike WA4BHP to Advanced
Fred Sisson to Technician.

The Volunteer Examiners, who conducted the exams, were: Egon Loekel-N8EL, Bob Strathy-WV4F, Aire Cook-K4IB, Ray Dickey-AA4IF, Joe Kellar-WD8JPF and John Stamps-KY0T. Elmer Cummings-KZ80, was a member of the team, in the beginning, but had to withdraw due to illness.

DUNEDIN AMATEUR RADIO ASSOCIATION By Eileen L. Cole, KB4FZN

Thanksgiving has come and gone for 1985 and we hope you took time out for reflecting on how much we have to be thankful for. In addition to our personal activities, thanks to the many hours contributed by the Hams for the Volunteer Examination program. During the year 1985, Harry and I have seen many hams upgrade. The most recent DARA members to upgrade are N4IGC, Jerry to General and KB4NRQ, Hank to General. Congratulations. W4DLL, Harry and KB4FZN, Eileen are taking a sabbatical from reviewing 610's and taking money, however, hope to be back in the next few months.

We enjoyed the presentation on RTTY given by Rick, W3LQ, at our November meeting. Our December meeting will be the annual awards breakfast at Denny's on U.S. 19 at Countryside on Saturday, December 14 at 8:00 a.m.

In 1986, the FCC exams will be given on the first Monday in each month, starting on Monday, January 6. These will be given in the Foreign Language Building at Dunedin High School in Dunedin.

The Holiday season is upon and Christmas will be here soon. In fact I believe I saw some familiar Ham faces in the lines to see Santa, hoping for that new hand-held, antenna, or base station radio gear. Will take this opportunity to wish all a Merry Christmas, Happy Holiday Season and Happy New Year.

LAKELAND AMATEUR RADIO CLUB By S.A. Gardner, N4MCW

The Lakeland Amateur Radio Club elected Bruce Clark, K0IF president for the 1986 term. He succeeds George W. Beck, WD4ONK, who held that position for the past year. Also serving with Mr. Clark will be Sam Gardner, N4MCW, vice-president; Nita Bean, N4LXJ, secretary; and Norman Weddell, W9HOH, treasurer.

The club held its annual election at the regular monthly meeting on December 2 at Kissin Cousin's restaurant in Lakeland. In addition to the election of officers, the ARRL movie, "Ham In Space," describing the first amateur radio broadcast from the NASA Challenger space-craft was shown.

MANATEE AMATEUR RADIO CLUB — K4GG By Bob Clayton, K14MM

Members enjoyed the new ARRL video tape, "The New Frontier," at the December meeting. It features Owen Garriotti, W5LFL, the first ham to operate from space. Some ham shack!

Officers for 1986 were elected. President is Archie Carpenter, KA8HOR, who recently upgraded to Advanced Class. Carolyn Osborne, WS4Z, is vice president. Secretary-treasurer is Bea Pearsall, KA9QSJ, Rene Clayton, WD4LUU, and Otis P. Tucker, K4OOD, were re-elected to new terms as board members. Larry Pearsall, W9FDY, and Bob Clayton, K14MM, have another year to serve on the board of directors. Much appreciation goes to Luther Vogel, KA4MRQ, who has served faithfully as secretary-treasurer for several years.

Amateurs and their guests were entertained at the club's annual Christmas Party on December 10.

FELLOWSHIP AMATEUR RADIO CLUB By Zelma Shaw, WA4MKE

The regular meeting of Fellowship for November was held Nov. 29 and called to order by Pres. Roger Kelley. Forty-eight members were present. A new member accepted was William, NV4L. Welcome. The main order of business was election for the coming year's officers. Elected were: President, Al Page, Vice Pres., Terry Zimmerman, Secretary, Hoppy Hopkins, Corresponding Secretary, Mickey Segall, Treasurer, John McCollough.

A new year is rapidly approaching and we all hope some harmony and fellowship can be brought in. New committees formed, new faces representing the opportunities, new reporters, new service people; may it all work for the good of the Club and our influential name of the Club. December meeting will be December 26, as that is the fourth Thursday. We would like to see a great attendance.

QUIP: You might say that the world's shortest sermon is preached by a traffic sign. "Keep Right." 73's.

THE CLEARWATER AMATEUR RADIO SOCIETY By Eli Nannis, K4JMH

At our Nov. 14th meeting there were 61 members and guests; a very good attendance. President Bob Shields, N3BI, presided at his last meeting and he was congratulated for doing a fine job for the past year. The program was presented by Carolyn Curry, a field representative of Florida Power. Her subject was "Getting more value for your Electric Bill," with the aid of a computer, she demonstrated how much power was being used by the home electric appliances and how to conserve power. Six new members were welcomed to our club and they were Fred Bolton (no call as yet), Malcolm Merchant, W1MQK, Philip Fox, KD8XN, James Harden, AG9D, Lloyd Heath, WA4BPN, Richard Pomeroy, WD4SCD.

Lee, WB4TEJ a former president of CARS displayed a beautiful plaque received from the Pinellas Park Boys' Club and presented to the amateurs in this area who help run the Boys' Club hamfests each year. At this year's hamfest, \$2,400.00 was raised. The next hamfest will be held on Feb. 16, 1986. Public Service Directors Charlotte, WB4PEL and

Lee, WB4TEJ gave a report on the club activities and more volunteers are needed. The club held a picnic with 28 persons attending and a good time was had by all.

A Christmas party will be held on Dec. 8th with all the other clubs in this area invited to attend. The new officers for 1986 were elected at this meeting. They are Gary Skinner, KF4BE, President; Bob Bathurst, KE4PG, Vice President; Julian Huntley, KA4HRF, 2nd Vice President; Eli Nannis, K4JMH, Secretary; and Jim Homan, W4DPH, Treasurer. Our new president advised that he wants new ideas for our club and to have more members to participate in club functions and public service events. It was voted to donate \$60.00 to the Clearwater Red Cross. We were also advised that a new store will open up in Largo which will be completely equipped with all types of amateur radio equipment.

SEV ARC By Frank Britto, N4EDH

Looking back on 1985, one can't wonder what will the new year bring, but that's the beauty of it, and all of us will just have to wait and see. At our last meeting, Ed Johnson, N4LI, gave us a great synopsis of his vacation and meeting new hams from Florida to the Pacific on two meters. It almost made one feel that you were right there with him. Ed also has a new Ringo Ranger, and I was told that his son, Kurt, made the Novice class.

Our annual Christmas party was set for December 18th, and by the time you read this item, it will all be a pleasant memory. I feel that all will have a great time as usual. We all hope that 1986 will bring to you and yours, all that you wish for and need.

GAINESVILLE AMATEUR RADIO SOCIETY By Walt Johnston, W4TKE

W4KFA, Red Cross Disaster Chairperson was offered a 50-foot crank-up tilt-over tower for the Red Cross Headquarters. So W4TKE, KB4HF, W4JKE and XYL, Andi and W4KFA took it down. The only problem it was on top of a 5-story building's elevator shaft, which makes it 6 stories. Well, anyway the tower is off the shaft's roof. The University of Florida needed to get it down to get the roof worked on. The tower was finally taken off the fifth floor roof and placed on the ground by a large crane arranged by N4EC. W4KFA, K000, W4JKE and his XYL and I loaded the three 20-foot sections of tower, base unit and very short top section in the Red Cross Van??? and took it to W4KFA's back yard for storage and repair.

This is the start of a very busy weekend in Gainesville. The Homecoming Weekend. The Parade starts at Noon Friday with Gator Growl Friday Nite and the Football Game Saturday. We were called a little late to get started with our Communications Task Force, but I asked KW4F if he would take the ball and run with the parade. We had a few hams to volunteer to help, which were KW4F with the Parade Director, WA4NWO and K000 From the Gator UF Club, K4PPQ, W4KFA, W4TKE and even put a visitor on the Parade route to work, K14IE. All went very good. Thanks guys.

That nite was to start at 6:30 for Gator Growl. Again we are starting to have help problems, but came out O.K. The Task Force can only roam around the stadium looking for medical or trouble. Trouble we don't really look for. We keep two communicators in each of the three First Aid Stations for runners with the medics. Thank goodness it was pretty quiet and were not busy. Thanks to the following for their time and help: WA4UFO, W4KFA, KC4UF, KB4HF, WD4GOR, KW4F, W4TKE; all GARS people and Gator Club members: K000, WA4NWO and WD4JCM. Thanks to out-of-Tampa help KA4YEF.

The Gainesville Amateur Radio Society received a very nice Proclamation Award from the City of Gainesville proclaiming October 28, 1985 as Gainesville Amateur Radio Society Day. This was for the help during Hurricane Elena.

ST. PETERSBURG AMATEUR RADIO CLUB By Cathy Soehl, W4BAV/ARNS

WA4WEC-Tom was in Pasadena Hospital, due to coronary heart attack. Glad to report he is home and doing fine. Take care, Tom.

N4BGS-Sam's new rotor was broken by the wind. He and YF flew to Tucson, Ariz. to celebrate friends' 50th Anniversary, for whom he was best man and YF Matron of Honor. Return trip one hour late.

N4ITR-Bob Curry became a Silent Key Nov. 19th. Our heartfelt sympathy to his family; he will be sorely missed.

WB4OAT-John and YF-Katherine finally returned to Fla.; delayed by Katherine having a gall bladder attack; doing O.K. Welcome back.

KB3AQ-bob and YF, KB4JAM-Betty were in Marathon, on their sailboat when "Kate" hit; fortunately, they rode out the storm with no damage. Spent Thanksgiving in the St. Pete area with realtives.

KA4CRS-Betty enjoyed a one-day cruise.

K4SCL-Woody recently worked Fairfax, Va. via Oscar 10.

AA0C-Donn did a fine job on "SPARC GAP" issue. Needs help; why not volunteer to assist in this worthy and needed project.

W1ION-Frank's YF-Irene was upset when flew home and found her luggage missing. found and delivered the next day; wonder where it went? Frank attended QCWA-Pelican Chap. picnic, Lake Seminole Park.

W4BAV-Cathy finally back on 2-meters after W4COW-Wes checked Ringo Ranger coax; antenna withstood "Elena's" winds.

KA4HXL-Bill and KA4VXG-Silvia spent a week up in their N.C. retreat; rained the entire week. Serves you right; stay in Fla. Hi!

WD5EXY-Bill recently visited him OM, K4EPH-Mac.

Jan. 3rd, Installation Dinner, Bradford Coach House; 7:00 p.m., Roast Sirloin of Beef dinner served at 7:30 P.M.

FLORIDORA YLS

By Cathy Soehl, W4BAV/ARNS

W4BWR-Ruth had surgery to replace 2 heart valves; operation success and Borthers, K3UTP-Richard and W2GLB/7-Phyllis keeping all informed of her progress. Good luck, Ruth!

W4WPD-Shirley and W4UFR-Earl visiting Son-Russell and family, in Pensacola, for Thanksgiving; will return home Dec. 1st.

W4EHN-Betty sent 1000 YL QSL cards in for YLRL Certificate; notified she had worked some twice under a different call; hence, needs 4 more QSLs. Sorry, Betty, but know you'll make it.

A.R.R.L. APPROVED
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KA4DCF-Myra upgraded to Advance at the Tally Hamfest; did crash study course and was surprised when she made it. Congrats!
W4OMH-Catherine and OM, W4OVU-Floyd spent Thanksgiving with Daughter and family in St. Louis. Ordered no snow. Hi!

WB4AUR—Thelma was called on jury duty. Good luck.

W4QBY-Dorothea says now she has seen Halley's Comet twice.

N4MML-Alma checked into the Net, was welcomed. OM, N4ET-Don's picture in Skip, handling CW traffic on QFN; Postal Serv. Retiree.

K8IOP-Violet's OM, K8DGK-John home from hospital. Take it easy.

W4GXZ-Blanche's OM, W4COW-Wes visited W4BAV-Cathy Tuesday to check replacing antenna and got Cathy on the Net, from his car. Surprised all, as well as Cathy; thanks, Wes.

KA4CIY-Gail did a major job as NC for the first time. "Kate" damaged her tower; were out of power for period and 85 m.p.h. winds.

W4PFJ-Adis checked in late a/c NCed the RV Net. Says she is doing O.K. Saw W4OMH-Catherine at QCWA; arm still in cast.

K4HSC-Meg not on air much; working with "New Hope"; doing O.K. and has boyfriend. Keeps schedules with Son in Tennessee.

W4KOH-Ernie gaining back some weight and doing better.

GAINESVILLE AMATEUR RADIO SOCIETY

By Walt Johnston, W4TKE

GARS has new slate of officers for 1986. W2SJU, President, N4MSX, Vice President, KB4KYO, Secretary, KB4HCK, Treasurer, and WA4HFR and KF4TT, Co-Repeater Directors.

Last football game over with thanks to the following for their help: WA4UFO, WD4GOR, K4LIV, *WB4IMT, K4RDP, KW4F, WA4FVD, KB4HF, *WD4ASW, *WD4ASX, *N4FRW, *N4MRH, *N4MRO, *KA4JMC, KA4AOS, *WB4OAC, *AG4E, W4TKE. * = out of town help.

Holiday Parade coming up. K4LXH has tri-band beam back up, works great! WA4UFO sporting new mini Kenwood HT. KF4TT getting new packet station on 300 ft. antenna system. NF4O did great job with fair and amateur radio demonstration at the Oaks Mall.

A holiday parade was held and we did communications for the parade director. Thanks to KA4TSB, a clown in the parade, W4NG, N4LIV, KA4NNS, KF4TT, W4JKE and KF4LB. Ask KF4TT if a four wheel drive vehicle will hang up in the mud.

Letters fm p. 2

Dear Andy:

I am sorry to say I am not renewing Florida Skip due to my age, health, and eyesight. I have sold everything in radio line. I don't even own a resistor. I have enjoyed Florida Skip for many years but Father Time takes over. Thanks for everything and mostly for the friendship.

For some time I have been unable to read Skip due to my eyesight. I will miss all the friendships I have made for 50 years. I received Dec. Skip today. All my regards to Skip and my old friends.

73 and 88,
Jack Six, W4YPA, Ex-W8RIN
Deltona, FL

EDITOR'S NOTE: Thanks Jack. Skip is also put on tape for blind and sent free from Daytona Beach.

RADIO CLUB OF AMERICA SPONSORS LUNCHEON MEETING AT TROPICAL HAMBOREE

ON FEB. 8, 1986

A luncheon meeting for QCWA, OOTC, SWOP and other interested Radio Amateurs attending the Tropical Hamboree will be sponsored by the Florida Section of The Radio Club of America, Inc. It will be held Saturday, Feb. 8, 1986 at the Ramada Airport Hotel, 3947 N.W. 22nd St., Miami, FL. Lunch may be ordered from the restaurant's menu 11:30 A.M. to 1:00 P.M.

Those unable to come for lunch are most welcome to attend the meeting which starts at 1:15 P.M. Stu Meyer, W4GHK, Exec. V.P. of The Radio Club of America, will present technical aspects of mobile radio developments from the 1930's to date. Refer to David Talley, W2PF, (305-868-4131) for further information.

Dear Andy,

For the fourth year in a row Pinellas Park Boys Club has presented to Cooperating Suncoast Amateurs their "Key to Our Hearts" award. This is the highest award that can be given by a local chapter of Boys Club. All monies donated were raised at the Pinellas Park Boys Club Hamfest. As in the past, the cooperation within the amateur community has proven beneficial to the Boys Club, providing much needed funds to continue various projects. At 8 a.m. February 16, doors will be opened at the Pinellas Park Boys Club. The 1986 Hamfest will give amateurs the opportunity to again help this non-profit organization.

New state of the art ham radio equipment will be displayed by CONNECTION, the Suncoast's newest amateur radio store. All other ham radio, computer, or related businesses are invited to participate.

A large indoor flea market area, FCC exams from Novice to Extra, and a QLF Contest to demonstrate your proficiency will round out the day. As has been the tradition, FREE DONUTS & COFFEE are offered to all who attend this annual fund-raiser.

For information and/or reservations, contact Lee, WB4TEJ, P.O. Box 1313, Pinellas Park, Fla. 34290-1313.

Thanks,
Lee, WB4TEJ

WHEN YOU DON'T KNOW WHAT TO DO, WALK FAST AND LOOK WORRIED....

A SHIN IS A RADAR DEVICE FOR FINDING FURNITURE IN THE DARK.



TRAFFIC HOUNDS — NOVEMBER 1985

By K4ZK

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
QFN	879	14.6	792	13.2	60	KB9LT
FMTN	712	23.7	513	17.1	39	WB4ADL
TPTN	860	28.6	492	16.4	30	KF4JA
GN	419	13.9	488	16.3	30	WX4H
FPTN	1402	26.7	277	9.2	30	WB4WYG
SWFTN	1179	45.3	249	9.6	36	KF4JA
QFNS	290	9.7	248	8.3	30	KA4FZI
FAST	555	9.2	167	2.8	60	WD4HHH
FMSN	394	13.1	160	5.3	30	AA4HT
SEFTN	641	21.4	160	5.3	30	KF4RL
SVTN	471	15.7	154	5.2	30	KB4LB
GCVTN	557	18.6	112	3.7	30	N4DY
FPON	666	22.2	88	2.9	30	WB4GCK
LSTTN	1351	45.0	79	2.6	30	NQ4P
VEN	295	9.8	75	2.5	30	W4LDY
SPARC	709	23.6	33	1.1	30	K5IHH
PEN	246	10.3	28	1.2	24	W4GPL
PBTN	304	16.8	13	.7	18	K4FWH
PRVAN	21	5.2	9	2.2	4	K4VSN
DEN	99	24.7	7	1.7	4	N4KWB
MCEN	111	27.7	4	1.0	4	WD4PQN
ENMC	25	8.3	0	.0	3	K4ZK

TOP TWENTY TRAFFICERS

By WA4PFFK & WF4X

1. W3CUL	3046	11. KF4JA	296
2. WD4IIO	1266	12. K4ZK	289
3. W3VR	1137	13. K4SCL	282
4. WX4H	883	14. K4EUK	272
5. N4PL	730	15. WA4EIC	234
6. WB4ADL	554	16. KC4VK	229
7. WA4QXT	503	17. N4KFU	201
8. WA4PFFK	397	18. KA4FZI	186
9. KB9LT	372	19. WB4WYG	173
10. W4NFK	352	20. WB4GHU	169

GATOR NET By WX4H, Mort

Getting the report together gets easier with the cooperation of this mighty Gator group who can cover the swamps digging out traffic and handling it with pomp and expidience. We have super checker-inners like WA4JDH, KB9LT, K4JI and W4DVO with 30 check-ins each W3CUL, W3VR got 30 as a team, lucky guys, and so with N4ET and WX4H 27 each, WA4EYU 26, W4IYT, KF4U and W4KLY 25, N2AOX 19, WD4IIO 17 and so on down the line. To these, a thank you also: W8IM 9, WA4PFFK 7, KY4U 5, K4TH, N4KFU and K4ZK 3, and WF4X 1. Glad you are in there fellows.

Got some data on Charles, WA4EYU, who has been hamming since Marconi was a Kid. What a track record he has! Into radio as a young boy, followed by service time. Graduate of the USMA at West Point and up to now is into jogging and aerobics. New name for calisthenics in the air. At a great age now, Charles we are glad to have you on GN. Want to add in a little about Mr. Cotton of KB9LT vintage. He is shy, so Thelma (xyl) wrote a note about his early days in Illinois with the Postal Service, fighting the snowbanks which finally drove him into the Spring Hill area of Florida. In WW2 Cotton was Navy, firing weapons as a gunner's mate. Glad he didn't spray me, since we were flying 6Fs off the Saragota at Guadacanal. Thelma says he is a late hammer but making up for lost time. To Cotton, congratulations 'cause he does such a fine job as QFN net manager! Thanks, gents, for the little bit of data — we all like to know each other.

NCS for November stacks up as WX4H 5, KB9LT, N4ET, W4IYT and W4DVO with 4. Forgot that there are seven days in the week, so add in K4JI with 5 and KF4U with 4. Senility! Great job by all and GN needs you.

W4DTV, W4OUJ, N4JOA, K3ML, KA4NFX, W4BVE, KA4AMC, K4ZN and W3VR plus N4DY were check-ins also and thanks! GN needs you.

The holidays will be heavy with traffic so be available if you can; we'll need the help. It is good to hear Phil of WF4X fame back on the air occasionally and he will be taking SAR reports again. Roy of N4ADI did a master job with the reports while Phil was out so our hats are off to The Maitland Kid. We lost KY4U and K4TH and we do need their help. Try us again — both of you — 'cause we are ready for you.

That's about all from this corner for this month. Have a great holiday season and do enjoy. Remember to old saying that everything that is fun is either illegal, immoral or fattening. See you all in the AM on GN.

(Typesetter's note: "illegal, immoral or fattening. . ." UNLESS YOU'RE MARRIED!)

QFN

3651 KHZ Twice Daily at 7:00 and 10:00 P.M.

By "Cotton", KB9LT

Conditions have improved considerably over October and hopefully we will be able to handle all the holiday traffic without too much trouble with QRM, QRN, etc.

I am happy to hear some new fists on QFN, and hope to hear more of them more often. OB WC4D was high QNI for the month with 100%, and we want to thank him for his dedication. He must have a very understanding wife.

Other high QNI were W4DL 55, KB9LT 54, WX4H 54, WA4PFFK 53, W4KIX 41, KA4FZI and K4ZK 39, KF4U 38, WB4GHU 34, WA4EIC and N4KB 33, K4IA 30, W4NFK 25, N4DY 23, N4KFU 22, WT4F 21.

At the other end of QFN had 11 stations with only one QNI, and 4 with two QNI. We hope these stations can QNI more and get better acquainted.

As for you people that are just checking into QFN for the first few times, relax and don't be afraid of the NCS because he is not as mean as he sometimes sounds.

I hope QFN can have an alternate 4RN rep every night during this winter season when the traffic will probably be heavy due to the influx of people from the north. 73's and see you on QFN.

DADE EMERGENCY NET

By Debbie Dunlap, KB4EWO

November was a fairly light month for checkins, with a total of 99. We did change frequency this month which we do approximately every three months.

In respect of Hurricane Kat, K14T, Joel described how amateur radio operators and the Hurricane Center worked hand in hand. Also Andy, W4IYT went over the results of the Simulated Emergency Ship Fire. Sounds like the hams did a great job!

We also are proud to announce that we have a new NCS in our ranks. Steve, N4MRN took controls and did a great job. He discussed Emergency Power and Preparing Antennas for a hurricane.

Remember that the DEN is now on the 146.76 repeater. We welcome all checkins new and old each Wednesday evening at 8:00 p.m. local time. See you there!

CLOVER LEAF ARC, INC. — WD4IIO

By Regis K. Kramer, W4ILE

A hearty THNAK YOU goes out to Shirley Hill W4WPD who has been at the "helm" here at Clover Leaf for the past year . . . plus! Guiding us for 1986 will be: Fred Aebie WD4FOB President, Mike Eskowski KB4KFH Vice President, Clyde Hacket KA4WLN Secretary, and George Fenning WD4FNX Treasurer. Regis Kramer W4ILE continues as station trustee.

Traffic out of WD4IIO continues to increase with each passing month. All modes are being utilized, CW, SSB, RTTY and PACKET. QNI's are on Early Bird Net at 6 AM, FPTN 7 AM, Gator Net at 8:30 AM, RTTY SKED 11:30 AM W3VR, TPTN 5 PM, QFN 4RN-EAN, 147.410 Plus QNI to PACKET K40ZS PBBS in Ocala.

Exemplifying an outstanding spirit of cooperation the residents of Clover Leaf Farms and Clover Leaf Forest continue to support us via the "flea market route." The 25 amateur radio operators here at Clover Leaf are busy "little beavers" pricing, checking and selling at our monthly flea market sales. We recently acquired "storage shed number 3."

We were delighted to have as recent guests at WD4IIO, QCWA President, W5KL, Leland Smith and XYL Helen . . . along with QCWA Treasurer, Wes Randles W4COW and XYL Blanche W4GXZ.

The "gang" here at Clover Leaf wishes YOU ALL A VERY MERRY CHRISTMAS!

HENANDO COUNTY AMATEUR RADIO ASSN.

By Al Lautenslager, KA1WLO

The Hernando County Amateur Radio Assn. will hold the annual election of officers this coming meeting to be held December 12 at the Teen Hall next to the Brooksville Post Office. Meetings start at 7:30 P.M.

A motion was made and seconded at the last meeting to erect two meter antennas at eight more locations throughout Hernando County to expand emergency communication capability. The vote also obtained permission to purchase the necessary additional antennas, coax and fittings to complete the installations.

The Hamfest Committee reported that this coming event scheduled for March 1986 is promising to be of interest to all who attend. More info will be provided each month as it becomes available.

INDIAN RIVER AMATEUR RADIO CLUB

By Dick McKlveen, W4YWA

Due to some scheduling difficulty, our November meeting was held on Tuesday, the 26th rather than Friday, the 22nd. Since our telephone committee did such a fine job advising the membership of the change, the attendance on the 26th did not suffer a bit. I trust that no one failed to get the message and turned up at the meeting place on the 22nd. If by any chance you did, we are very sorry to hear it!

Omar Bowley, KA4SNP, walked off with the turkey door prize. I volunteered to help him and the family eat it but volunteers were not the order of the day in this instance.

Ted Hart, W5GQZ, gave a fine talk about the loop antenna he has been perfecting over the years. Everyone present seemed to enjoy it very much. It was one of those talks that could have lasted all night.

I am sorry to announce that Dave Terada is in serious condition at the Veteran's Hospital in Tampa. While on the subject of bad news, Norm, WB4EBH, recently broke his arm. We would like to see you back at the Friday luncheons soon! And there is more: Orv Potter, WD4HIQ, recently underwent surgery at the Canaveral Hospital and is presently recuperating.

The big election is now history and I am proud to announce the outstanding slate of officers for 1986: President, Orton Duggan, W4EQE; Vice President, Ron Wiesen, WD8PNL; Secretary, Bill Richards, WB4WYG; and Treasurer, Ted Wallace, W4LJB. Congratulations fellows. I sincerely believe all concerned will provide you with the utmost cooperation and assistance during the coming year.

We meet on the fourth Friday of each month in Room 6, Bldg. D, First Methodist Church, Needles Blvd., Merritt Island, at 1930 hours. Visitors are always welcome so try to make it even though you may not be a member!

FMTN

By George, WB4ADL

Another month has come and gone. The band improved this past month; not quite as many relays, especially the last three weeks. Sure hope the conditions continue to improve. Would like to remind all members of FMTN that within a couple of months I will have been manager of FMTN for one year. Respectfully request you to start thinking whom you would like to be your net manager commencing in February. So all members dissatisfied with my administration: get your man nominated!

Message traffic is beginning to pick up. We are going to probably need some more help in handling the increase in message traffic. The average checkin is still about the same; less than a third of members checking in daily, averaging less than 24 persons daily. Traffic is very good in that we have averaged better than 17 MESSAGES DAILY. We need liaison people to go to Eastern and Fourth Region if day you want is already assigned. We welcome backups each day. We have been fortunate with our Fifth Region reps. One of them always seems to be there waiting to go to work.

Sincerely now, I want you people to start working on your nominee for manager come January, so we can get him/her elected. This present management will consider continuing on as manager, but don't know whether I can Hack another Year.

FLORIDA PHONE TRAFFIC NET

By Bill, WB4WYG

Looking back over the year I thought I would do some statistical remuneration of the records for '85. Average number of stations checking into the net per month is 1,319; with the average traffic count being 309; and the average time of the net being 31.6 minutes. We do have a good time while all this is taking place and we know that we are doing a distinct public service at the same time.

The best of good things for the next year to all of you who have made this record possible; and many thanks from the Net Mgr. to the NCS that have helped in such a dedicated manner.

Bob, WN4IIV of Tallahassee worked hard and long as NCS on the FNP during the late Nov. hurricane that so tore up the capital city. A standby portable generator kept him on the air even though a part of his antenna was wrapped up in a fallen tree.

Occasionally "Doc", W4SME, when he is NCS will give a recitation of the Preamble in an erudite, titillating and rapid fire delivery. This is really something to hear and usually leaves one gasping to catch up.

Now for a listing of 34 stations that have checked in 80% or better.

100% — WB4ADL, KA4AMC, W4BCZ, W4BKC, K4BLM, W4EIC, W4HMR, N4IPY, WA4JDH, KD4KK, KB4MON, KA4NFX, K4SJA, WB4TZR, WB4WYG, WB4ZVD.

95% — K4BZS, K14CQ, WD4DAH, K4EJW, WB4EXA, WA4EYU, W4KKR, W4SME.

90% — KA4DCA, W4GJJ, WN4IIV, WA4NBE, WB4SOU.

85% — NA4F, WB4FJY, WA4QXT, KA4TTS.

80% — KB4FIY.

The "Golden Cookie" award for being the 1,000 station to check in goes for the month of Nov. to Fred, KF4RL. These 34 stations represent 56% of roster, so the friendly Phone Traffic Net has been averaging better than 50% of their members checking in 80% or better for several months. Why don't you stop by and see what interesting happenings we have, besides handling traffic.

For TRIVIA — ask WB4SOU about the dangers of parking a car in a carport.

Have a nice Christmas and a Happy and Healthy New Year. 73. Bill, Mgr.

IT'S A-I

KA4ZF1, Miss Phil, Mgr.

WISHING YOU ALL A BLESSED CHRISTMAS
AND HAPPY, HEALTHY 1986!

Getting all "keyed up" for the holiday traffic? We all feel the pressure the many extra demands on our time now, but we can help by encouraging others from our areas to QNI. This is a good time for novices and technicians to get some practice in CW traffic handling. Please encourage as many as possible to check in with QTC and also help move the holiday traffic.

KB4MHH, Todd, plans to marry his fiancée on December 30th. Our congratulations and best wishes to both Todd and Lisa for many happy years together. Todd also celebrates a birthday on Jan. 15th.

QFNS FOCUS:

Our QFNS Focus this month has been a ham since 1970 and held an advanced license since 1972 but only recently moved into CW traffic handling. S/He is a fine example of QFNS training and recently took the QFN plunge becoming Sunday night SFN/QFNS rep after only a couple nervous QFN QNI's on a hand key. S/He is secretary of the Gold Coast Amateur Radio Association, Inc. A retired telephone person since 1969, s/he worked on an LD testboard using American Morse and taught teletype. Other hobbies include postal chess since 1947 and editing a monthly newsletter. We appreciate his/her willingness to take on the regular rep responsibility.

Isn't it nice to be able to PROUDLY say, "I'm a member of QFNS. It is a great net with patient and knowledgeable NCS's and reps who enjoy helping new traffic handlers as well as old-timers. I unreservedly recommend QFNS to ANY HAM!" As 1985 draws to a close I wish to thank all of you who have made QFNS not just the only Florida section net for all licensed hams, but also the best. I look forward to an even better year in 1986. Won't you join us!

QFNS FRONT-LINE LEADERSHIP

Sun.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
NCS WA4QXT	AA4HT	KA4FZI	KB9LT	WA4PFK	N4MML	WD4KBW
REP KA4SIH	WB4GHU	WA4PFK	AA4HT	KA4FZI	WC4D	KB9LT

Stations with 10 or more QNI: KA4AMC 12, WC4D 27, KA4FZI 27, WA4GHU 12, AA4HT 13, N4IWO 10, WD4KBW 13, KB4LKT 17, KB9LT 17, KB4MHH 14, N4MML 22, WA4NBE 12, WA4PFK 24, KA4SIH 22. New members: KB4MON, Dennis in Lakeland, and WA4NBE, George in Melbourne. Nice to hear K4KNP again. For complete November roster send SASE to Phil West, KA4FZI, 1410 Shelby Pkwy., Cape Coral, FL 33904. (Answer to QFNS Focus: Willard Yeakel, KA4SIH in Pompano Beach.)

FLORIDA MEDIUM SPEED NET

3651 KHZ

By Rip, AA4HT

5:30 P.M. DAILY

FMSN had an excellent month in November. Traffic was up slightly with an average QTC of 5.3 per session and check-ins were about the same as last month.

Certainly appreciate W4ESH Lee, WC4D O.B., KB9LT Cotton and WX4H Mort stepping in as Net Control when the regularly scheduled station could not make it. While I am on the subject the net needs someone to take over the Friday NCS slot to replace me. If you would like to give it a try please let me know. Don't worry about making mistakes as we all do and that keeps things interesting.

Top Check-ins this month were: WC4D 30 (100%), KB9LT 26, KA4NFX 26, AA4FG 25, WA4NBE 25, WB4WYG 25, W4ESH 23, AA4HT 17, KC4VK 17, N4IWO 16, and N4KE 16.

Nets QSY P. 20....

THE SKY HIGH AMATEUR RADIO CLUB, INC., INVITES Y'ALL TO
COME JOIN US AT THE SIXTH ANNUAL CITRUS COUNTY

HAMFEST

ON U.S. 41 THREE MILES SOUTH OF

INVERNESS, FL.

FEBRUARY 8, 1986 — 9 A.M. - 4 P.M.

INSIDE AUDITORIUM — COUNTY FAIR GROUNDS



HAM, GEAR, PARTS, SURPLUS ITEMS, COMPUTERS

Now's the time to trade in that hoard of goodies you've been saving, and to replace it with newer and better stuff.

IT'S ALL INDOORS, COME RAIN OR SHINE

Modern 10,000 S.F. auditorium. Tired of being an Orlando pressed ham? We've got eight foot aisles — No claustrophobia.

FOOD AND DRINK Scrumptious hot dogs, assorted delicious donuts, coffee, cold drinks.

BIG GENERAL FLEA MARKET Outdoors adjacent to auditorium. (Not under SHARC sponsorship)

LICENSE EXAMS — ARRL VEC

Exams will be held at the Citrus County Courthouse. Contact Bill Covington, WE4C, Tel. 904/726-2905, or Phil Partee, W4ABI, Tel. 904/382-2675 for further details.

REGISTRATION AND SWAP TABLES

Advance admission ticket \$1.50 (include SASE for mail return, or pick up at door). Admission at door \$2.50. XYL's free.

Swap tables
\$5.00 each.

Write to: SHARC Hamfest
P.O. Box 572
Lecanto, FL 32661

Or phone: Bob Gordon, W1KUL
904/628-5045

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DIRECTORY

List your club, net or group here for only \$18 a year. Limit 3 lines only. Add \$2 for each additional line, and \$2 for any changes made to present listing. Submit clearly to FLA. SKIP, Editor, Box 501, Miami Springs, FL 33266.



AMERICAN RADIO CLUB. WD4MXF/R 146.13/73 Bilingual RPTR. Club meets 1st Wed. ea. month. HF t/c 14290 Tue. & Thur. 9 to 10 P.M. Mail: P.O. Box 3576, Hialeah, FL 33013.

AREC REPEATER GROUP, Inc. WA4ARE/R 07/67 R. Brunner, Treas., 4072 Sussex Ave., Lake Worth, FL 33461. Breakfast 9 A.M. Sunday at Clock Restaurant, N. Dixie, Lake Worth. All amateurs welcome!!!

BRANDON AMATEUR RADIO SOCIETY, WB4BIM. Meets 3rd Thurs., Apostles Lutheran Church. Nets Mon. 8 P.M. on 147.165 Wed. 8 P.M. Novice CW 21.165 9 P.M. phone 28,765. Mail: P.O. Box 542, Valrico, FL 33594.

BROWARD AMATEUR RADIO CLUB, Inc. W4AB. W4AB/R 31/91. Meets 2nd Fri. 7:45 P.M., Red Cross Bldg., Ft. Lauderdale. Mail: Jan Lorah WB4KOC, 2407 Flamingo Ln., Ft. Lauderdale, FL 33312.

CLEARWATER AMATEUR RADIO SOCIETY, W4DPH 146.37/97 WB4V-ZY 224.34/94. Meets 2nd Thurs ea month 730PM, Red Cross Bldg. 624 Court St., Clearwater. Net ea Wed 8PM 146.97. Mail POBox 7388 Clearwater 33518.

CYPRESS CHAPTER of Ten-Ten International. Meets Wed. 8 P.M. on 28,665. Covers E.-Central FL K4TSY Chapter Head. For certificate work 5 holders, send along info & \$1. to Bob Lucas K4HTU, RD 3 Box 2630, St. Cloud, FL 32769.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st Tues., Museum of Science, 8 P.M., 3280 S. Miami Ave., Miami. Mail: P.O. Box 350045, Riverside Station, Miami, FL 33135.

DAYTONA BEACH AMATEUR RADIO ASSN. K4BV & K4BV/R 147.15. The Friendliest Rptr in FLA! Meetings 3rd Mon., ARC Daytona, 341 White St., 8 P.M., C'mon & bring friends. Mail: P.O. Box 9852, Daytona Bch. 32020.

EVERGLADES AMATEUR RADIO CLUB. W4SVI/R 146.235/835. We meet 2nd Fri. ea. month 8 P.M., Dade Co. Agricultural Bldg. 18710 S.W. 288 St., Biscayne Dr. at Redland Rd., Homestead 33030.

FELLOWSHIP AMATEUR RADIO CLUB, Inc. Meets 4th Thurs at Ingalls Park Recreation Park Center, 735 SW 1st St., Hallandale, 730PM. K4MGX/R 147.81 East, 147.975/375 West. Mail Box 680284, No. Miami, FL 33168.

FLORIDA AMATEUR DIGITAL COMMUNICATIONS ASSOCIATION (FADCA) State-wide packet radio organization. 812 Childers Logo, Bradon, FL 33511. (813) 689-3355. Net every Sunday, 8 A.M., 3958 kHz.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, INC., P.O. Box 157, Clearwater, FL 33517.

FLORIDORA YL'S, W4FE. Pres. KA4MEW, Vice Pres. WA4EDL, Sectry WB4AUR & Pres. W4WPD. Nets: Tues. 9 A.M. 3933 and Mon. 9:30 A.M. 7285 kHz. All YLs and XLs welcome to join us.

FORT PIERCE AMATEUR RADIO CLUB meets informally every Tuesday, 7:30 P.M., Room W-109, Indian River Community College, Virginia Ave., Ft. Pierce, Byrd Ford KA4QNX, Sec. Box 5, 33454.

GOLD COAST AMATEUR RADIO ASSO., INC., Box 505, Pomp. Bch., FL 33061-0505. Emerg Net Thurs. 7:30 P.M. W4BUG/R 146.22/82. Traders Net 8 P.M. WB4UFA/R 146.01/61. UHF rptr WB4RZS 447.2/442.2. Club meets 4th Mon. 7:30 P.M. Imperial Pt. Hosp., 6401 N. Fed. Hwy., Ft. Laud. Talk-in 61.

THE GOLDCOASTERS, Meets 2nd Mon. ea. mo. Pals Captain's Table, Deerfield Bch., 11:30 A.M. Additional meetings 4th Mon. during Jan. thru Mar. Open membership. Write: P.O. Box 2778, Boca Raton, FL 33432 Phone 421-6704. Net daily 14346, AT 9:15 A.M.

GREATER TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mon. 7:30 P.M. ea. month at Titusville Chamber of Commerce Blvd. Mail: c/o W.R. Young, K4DQT, 3845 Catalina St., Titusville 32780. Rptr. 146.31/146.91 for other details.

GULF COAST AMATEUR RADIO CLUB. P.O. Box 595, New Port Richey, FL 33552. Meets 4th Mon. each month 7:30 P.M. at Colonial Hills Civic Assn., 87 Peacock Dr., NPR 146070/670 WA4GDN. All are welcome.

HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ meets 4th Thursday 748PM Forest Hills Recreational Center, 724 - 109th Ave. North. Mail: Box 24602, Tampa, FL 33623 Info 884-7917.

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R. 389/985. Meets 3rd Mon. 8:00 P.M. Rm. 238, So. Satellite Court House, 3550 Hollywood Blvd. Mail: P.O. Box 6306, Hollywood, FL 33021.

INDIAN RIVER AMATEUR RADIO CLUB, W4NLX meets 4th Fri. each month at Grace Methodist Church, 65 Needles Blvd., Merritt Is. 730PM. Mail: P. O. Box 5, Cocoa, FL 32923-0005.

INTRACOASTAL AMATEUR RADIO ASSN. 145.410 MHz, KA4SEJ/R. Dinner meeting last Wed. of month. Info: on air or KA4LAV, Stu 925-5321 days, Hollywood, FL

KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/94. Meets 3rd Mon. 2000 hours Old Monroe Co. Chapel., Jr. College Rd., Stock Island. Mail: KWARC c/o C.T. Gossard W3YWK, Rt. 2 Box 4028, Summerland Key, FL 33042.

LAKE AMATEUR RADIO ASSN. Inc. K4FC. Meets 1st & 3rd Thur. 8 P.M., Clubhouse, Springdale Ave., Bassville Park. Mail: Dot Favorite KA4MIL, 106 Island Dr., Leesburg, FL 32788. All Welcome.

MAGIC CITY AMATEUR RADIO SOCIETY. Meets 4th Saturday, 3rd floor, Conference Room, 2 P.M., Joseph Caleb Center, Miami. Details from: John Dillard, WB4WXF, Pres., (305) 633-5433.

MANATEE AMATEUR RADIO CLUB. Meets 1st Tues. 7 P.M. at Bradenton Downtown Library by Pier Restaurant. Info: Call Luther KA4MRQ, 747-8128. All persons welcome.

MARTIN COUNTY AMATEUR RADIO ASSN. K4NTA/R 147.060-600. Meets 4th Wed. 1930 Langford Park Fldhse., Jensen Beach. Mail: P.O. Box 1901, Stuart, FL 33495.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 7:30 P.M. Ed White Sr. Hi School, RM. 110, 1700 Old Middleburg Rd., Jax. Mail: B. Williams, N4UF, 9110 Rio St. Johns Dr., Jacksonville, FL 32211.

OLD OLD TIMERS CLUB (OOTC) net Sunday 2 P.M. on 7247 kHz. Info: Bob Bookwalter, W4NWF, 728 Valencia Rd., Venice, FL 33595. (813) 485-7928.

PALM BEACH REPEATER ASSN., Inc. 28/88. Meets 1st Tues. each month 7:30 P.M. Palm Beach Civil Defense Bldg., 3723 Belvedere Rd., WPB. All welcome. Membership available. P.O. Box 461, Lake Worth, FL 33460. Jim Schoech, WD4LHF, Pres.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Rptr. WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thur. 7:30 P.M. Clubhouse on 1st St., Ft. Walton Bch. Mail: P.O. Box 873, Ft. Walton Bch., FL 32549. March Swapfest. Rptrs. 146.19/79 & 147.60/00.

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8 P.M., 1st Fr., Red Cross Hq., 818 - 4th St. Mail: P.O. Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RADIO ASSN. Inc. W4IE. Meets 3rd Tues., 8 P.M., Sarasota Co. Administration Ctr., US 301 & Ringling Blvd., 6th Floor lounge area. Mail: 3182, Sarasota, FL 33578. Join us!!

SILVER SPRINGS RADIO CLUB, Inc. K4GSO/R 146.01/.61 meets 3rd Mon. at 730PM, St. Pats Episcopal Church, 3803 NE 7th St., Ocala. Net Tues 730P (830PM EDT). Mail: Secretary, P.O.Box 3944, Ocala, FL 32678-3944.

SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, Inc. (SIRA) WB4ESB & WB4ESB/R 147.90/30. Mail: Box 524071, Miami, FL 33152. Emergency net & bulletins on 3755, 7155, 14155, 21205 & 28555. Info net Tues. 9PM thru repeater. Phone 305 822-1688 Telex 523740.

SOCIETY OF WIRELESS PIONEERS. Edison Chapter meets Sun. 2 P.M., 7055 kHz. Bill K4TF, CHOP. Info: Bill Willmot K4TF, 1630 Venus St., Merritt Isl., FL 32953. Transcon SOWP Net. Tue. & Thurs. 10 A.M. EST, 14115. Info: Sy, W4IKU, (305) 651-5385.

SOUTH FLORIDA FM ASSN., W4SGQ/R 146.16/76, WD4BVO/R 146.7/147.0 & WD4SFG/R 447.20/444.20. Mail: P.O. Box 4300-25, Miami, FL 33143. Meets 2nd Mon., C.D. Hq., 5600 S.W. 87th Ave. Y'ea Come!!

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 7:30 P.M. at Club House, Davis Isle, Columbia & Barbados. Mail: P.O. Box 10453, Tampa, FL 33679.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, P.O. Box 6834, Southboro Sta., WPB, FL 33405. Meets 3rd Sun. 9 A.M. VFW Post 4360, Palm Springs, East of Fire-Police Station. Info: 655-5766.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB INC. Meets 4th Thur. ea. mo. 7:30 P.M. at Community Center at Lake on W 54. Mail: P.O. Box 1534, Zephyrhills, FL 34248. Come & bring XYL.

REMEMBER! All stolen amateur equipment HAMBARS are FREE to any licensed amateur - be they a SKIP member or not. Give details like above HAMBAR. Editor,

METROPOLITAN REPEATER ASSN, Inc. N4DKN 147.96/147.36: 222.34 222.34/223.94: 444.30/449.30 meets 4th Thurs. 730PM - Freedom Savings Bldg. 2230 E. Bay Dr., Keene Plaza, Largo. Mail: 3305 51st S. N. St. Petersburg, 33710

QCWA CITRUS CHAPTER. Meets 3rd Saturday each month 11:30 A.M. at Duff's Famous Smorgasbord, Intersection SR 436 & 434 "K" Mart Plaza, Altamonte Springs. Net meets 9 A.M. Saturday 3955 kHz. All Welcomed.

QCWA EVERGLADES CHAPTER. Meets 2nd Sat. Sept. thru Apr. Mr. Rays Cafeteria, Lakes Mall, 3407 N. State Rd. 7 (441) Lauderdale Lakes. Info see SKIP column or Cy Harris W4MAQ, 11511 NW 33 St. Sunrise 742-2154.

QCWA CENTRAL FLA. CHAPTER meets 3rd Sat. Noon, Sirloin Steak-house, 3106 Hwy 98N, Lakeland. Net 10AM Sat. on 7243 kHz. Info: Notra Stoner W4BGF, Secy. 525 W. Beacon Rd., Lakeland, FL 813-682-5390.

QCWA GATEWAY CHAPTER. Meets 3rd Sat. each month, Uncle Johns Pancake House, Beach Blvd. Net 7230 kHz. For info: Robert Cutting W2KGI, 1273 N. Nipigon, Atlantic Beach, FL 32233. Join us.

QCWA GATOR CHAPTER. Tampa Bay area. Meets 1st Sat. Noon at Chief Charlie's Restaurant on Route 580, Dunedin. Weekly net Sat. 9:15 A.M. on 3920 kHz. E. Nannis, K4JMH, 14996 Imperial Pt. Dr., No. Largo, FL 33544. All Welcome.

QCWA GULF COAST CHAPTER meets 1st Tue for lunch & informal meeting 11:30AM at different restaurants in New Port Richey area. Call A/C813 Charles, W2LRJ 847-5059; Harold, W2JKB 863-8617; Al, W2EKO 863-3637 for location. Guests & prospective members always welcome!!

QCWA HIGHLANDS COUNTY (121) meets 1st Thurs. 9AM for breakfast at Sabal restaurant, at TOWER, Lake Placid. N4XXV, Pres. W8HSB VP and N4BIS, Sec'y. Info & details 305 385-7271. All welcome.

QCWA PELICAN CHAPTER, St. Petersburg. Meets 3rd Wed. Noon. The PUBLICATION Restaurant and Lounge, 1190 34th St. N. Net meets Sat. 3930 kHz at 10 A.M. Info: A. Monsees W4BK, 1255 Pasadena Ave. S., South Pasadena, FL 33707. Telephone 381-5411 Ext. 7024. All Welcome.

QCWA SOUTHEAST CHAPTER. Meets 3rd Sat. ea. mo. at Noon. More info: W4KGJ 666-2058, W4KO 685-1953 or W4LGP 891-7692. We also welcome all OOTC and SOWP members anytime!!

QCWA SPACEPORT CHAPTER meets 2nd Saturday of each month 11:30AM at Gullys Restaurant, Holiday Inn, Cocoa Beach, FL. Old timers welcome!!

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco. Meet at Davey's Locker, Rm. of Windjammer Rest. 7100 S. Trail U.S. 41, 1st Wed. ea. month. Oct. thru May. Info: H. Osborn 677-1449.

QCWA SUWANNEE CHAPTER 82. Lunch 1130AM Holiday Inn West, Ocala, 4th Sat. even months. Net Sat. 3940 KHz. 9AM. Pres. Ray Chatier. W1RFE, VP Jim Armstrong N4HZR, Sec/Treas. Adis Henry W4PFJ.

QCWA TREASURE COAST CHAPTER. Chairman W4TZ & Sec-Treas. K4QM. Lunch 2nd Thurs., Sheraton Regency, No. A1A, Vero Beach. Mail: Box 3088, Vero Beach, FL 32964.

ST AUGUSTINE AMATEUR SOCIETY W4WSB. 2nd Mon. Memorial Lutheran Church. Details: Prime A. Beaudoin KA4QXL, Pres. North Florida Wide Coverage repeater 146.625 MHz. - 600. Box B, St. Augustine FL 32085.

TAMPA BAY REPEATER ASSN. Meets 2nd Tues. 730PM, Red Cross Bldg. 217 N. Howard Ave. Net every Thurs 730PM on 146.76 rpt. Mail: TBRA P. O. Box 22004, Tampa, FL 33622-2004.

FLORIDA REPEATER COUNCIL, Inc. Coordinators: WA4QQR (1 1/4M, 33 & 23 CM) 305 752-7781. WB4ILH (10M, 6M 2M & 70CM) 305 471-8384. All calls before 10PM. Mail PO Box 4155, West Palm Beach, FL 33402-4155.

QCWA FLORIDA KEYS CHAPTER 147, meets 1st Fri. Dec. thru June at various points in the Upper Keys. Call Fred Clark K4ET, 852-5359 for info. All amateurs welcome.

IBM BOCA RATON AMATEUR RADIO CLUB, WB4QNX/R, 144.69/145.29. Emergency Net Thurs 8:30 PM. WA2HFA, Pres. WA4CTC Vice Pres. KD4AO, Treas. N4TL Secretary & KD4B Emergency Coordinator.

HIGHLANDS COUNTY AMATEUR RADIO CLUB Inc., P.O. Box 2149, Lake Placid, FL 33852. Meets 3rd Mon. 8 PM at First Home Federal, 126 W. Center Ave., Sebring. Net Weds 8PM KF4EV/R 147.645/045 info 813 385-5325.

GATOR AMATEUR RADIO CLUB, W4DFU. A University of Florida student organization since 1934. Mail: J-12, Gainesville, FL 32610. Repeater: UF campus, 146.31-91 MHz. GO GATORS!!!!!!

TITUSVILLE AMATEUR RADIO CLUB: Meets 3rd Mon. 730PM at Titusville Chamber of Commerce Bldg. (Real Entrance). Mail: c/o Barry Janetski KA4NIU, 4215 Curtis Blvd., Cocoa, FL 32927. Rptr. 146.31/91 details.

COLLIER COUNTY AMATEUR RADIO CLUB WB4ZEU, meets 3rd Tues. 730PM, Marine Savings & Loan, 2400 N. Trail, Naples, FL. Mail: Box 33 ZIP 33939. Phone info 813-774-2770.

AMATEUR DOCTORS WANTED

Jim C. Hirschman, M.D., K4TCV, member of the Dade County Amateur Radio Public Service Corps Committee is in the process of compiling a list of Dade County doctors who are also licensed amateur radio operators. Some have already helped with first aid and communications in the Orange Bowl Marathon, Orange Bowl games or the March of Dimes Super Walk. Other physicians who might be shy would simply like to be on the mailing list regarding doctor-ham get-togethers, computers, repeaters or paging equipment. Still others may be able to help with two meter communications in hospital emergency rooms. If you are a licensed amateur, please call Sharon at Dr. Hirschman's office in Miami at 856-6630.

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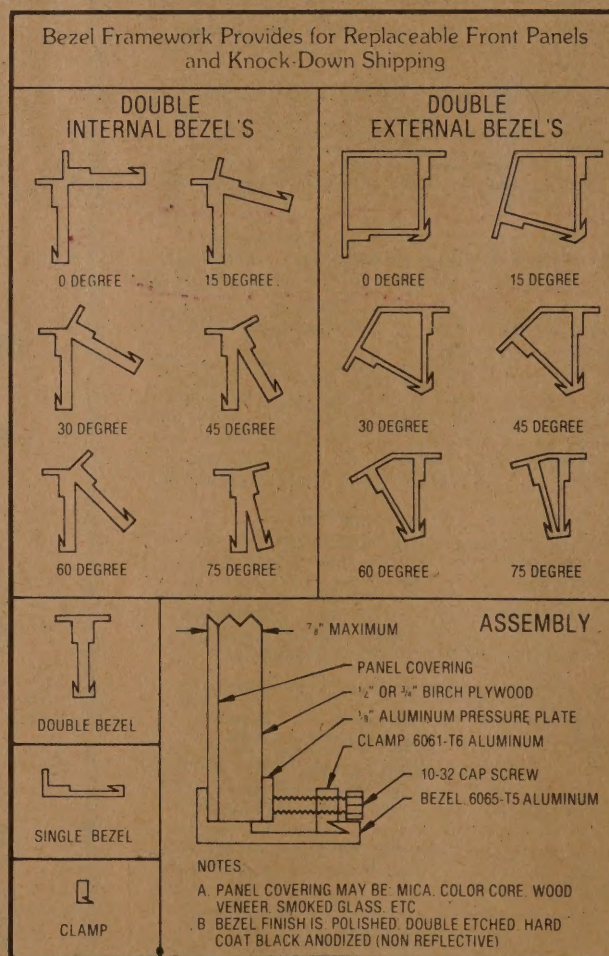
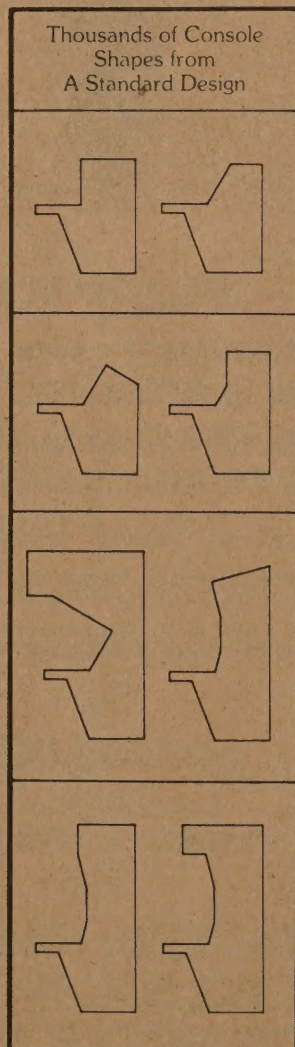
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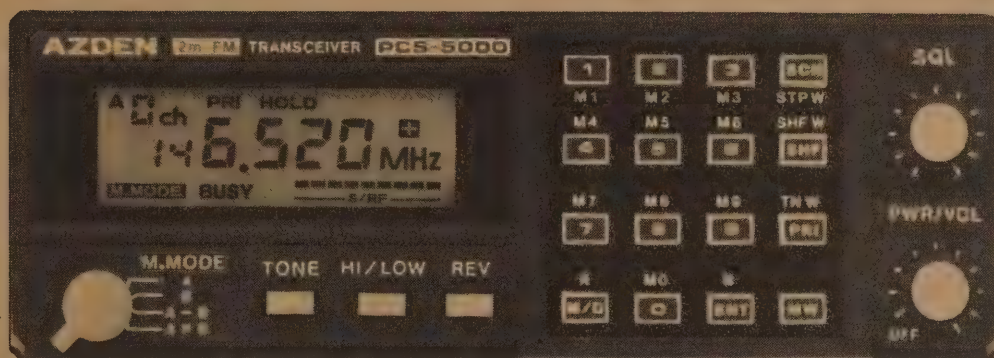
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PASCO-HERNANDO-CITRUS

The Pasco-Hernando-Citrus Counties VE Council has scheduled Amateur radio license examinations under ARRL/VEC in the tri-county area for January 1986 through May 1986 as follows:

Date	Sponsor	Contact Person
Jan. 25	Gulf Coast ARC Pasco County	Robert Imhof AG2K 203 Isle Drive Port Richey, FL 33568 813-848-3797
Feb. 8	Sky High ARC Citrus County	Phil Partee W4ABI 80 Sycamore Circle SMW Homosassa, FL 32646 904-382-2675
Mar. 11	Hernando QCWA Hernando County	Robert Gordon W1KUL P.O. Box 2543 Homosassa, FL 32647 904 628-5045
Apr. 15	Spring Hill ARC Hernando County	Paul Sauer K4ZC 9353 Chase Street Spring Hill, FL 33526 904-683-3167
May 17	Sky High ARC Citrus County	Phil Partee W4ABI 80 Sycamore Circle SMW Homosassa, FL 32646 904-382-2675

Walk-ins will be accepted at the Feb. 8 and May 17 exams. To reserve a test the applicant must send in:

- Completed Form 610
- Check payable to ARRL/VEC for \$4.00
- Copy of current amateur radio license
- Thirty days before examination date

CENTRAL FLORIDA VE PLANS

The next scheduled FCC exams will be Saturday, January 11, 1986 at 9:00 a.m. at the Channel 24 Studios, 11510 East Colonial Drive, Orlando. Please bring your current FCC license and a copy of it, along with a \$4.25 check or cash to ARRL/VEC. For more information and to get your name on the registration list please contact Lyn Neidig, WB4HBH, 305-349-5929 before Noon and after 3:00 p.m. or Bob Fegan, N4MHV, 275-0283.

FCC 610's REVISED

On October 17, THE FCC released a Public Notice advising amateurs that effective January 1, 1986, only the June 1984 and July 1985 editions of FCC Form 610 (amateur radio application) may be used to obtain an Amateur license. Others will be returned to the applicant without action, the FCC said. Individuals requiring blank FCC 610's for renewal and/or giving Novice exams may obtain necessary current FCC 610's by sending me a No. 10 (Business size) SASE or they can be obtained at any NOFARS meeting. If you have any of the old forms discard them now so you won't forget.

(B.M. W4PTT)

EXAMS

The Fort Myers Amateur Radio Club will sponsor examinations on January 18th, at the South Recreation Center, which is located in Fort Myers, just south of the Fort Myers Golf Course.

The exams will begin at 9:30 A.M. Applicants should be there at 9:00 A.M.

For more information, contact Bob Strathy, WV4F. His address is: 5428 Brandy Circle, S.W., Fort Myers, Fla. 33907. Telephone: (813) 481-4880.
—Peggy Cummings, KY8Y

The Lakeland Amateur Radio Club will hold FCC examinations for all levels of amateur licensing on Thursday, January 30, 1986 at 7:00 P.M. at the Crystal Lake Church of the Nazarene, 2119 North Crystal Lake Drive, Lakeland, Florida.

Ham radio enthusiasts wishing to upgrade or newcomers wishing to obtain the Novice FCC amateur radio license should contact WT4F (Bill Gilman) at (813) 858-9723 for further information about the tests.

DADE COUNTY

AMATEUR RADIO EXAMINATIONS

Dade County Emergency Operations Center

5600 Southwest 87th Avenue

Miami, Florida 33165

EXAMS START AT 9:00 A.M.

DATES

Saturday, January 11, 1986

Saturday, March 8, 1986

Saturday, April 12, 1986

Saturday, May 10, 1986

Saturday, June 14, 1986

Saturday, July 12, 1986

Saturday, August 9, 1986

Saturday, September 13, 1986

Saturday, October 11, 1986

Saturday, November 8, 1986

Saturday, December 13, 1986

(SECOND SATURDAY OF THE MONTH)

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Mail FCC Forms and Check to:

Bill Miller, N4EFQ

9910 Collins Avenue

Bal Harbour, FL 33154

Call for further information:

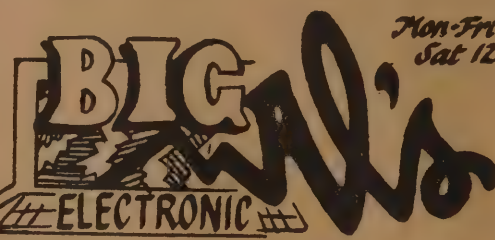
Ron Bell, WN4L, 247-2944 after 6 P.M.

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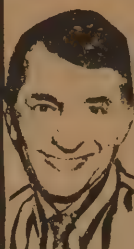
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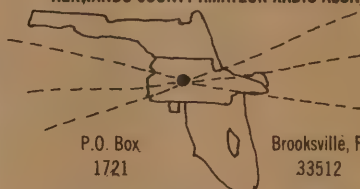
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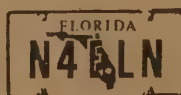
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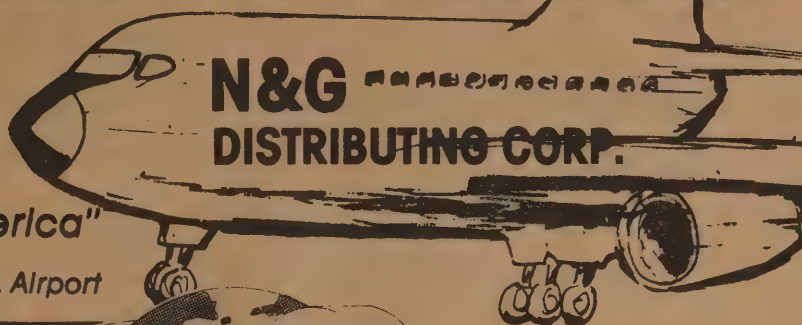
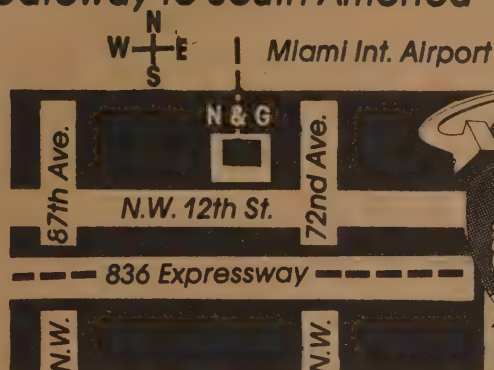
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COURTESY VAN will be provided by Ramada Hotel between Fairgrounds and Hotel every three hours on show days. Schedule will be given you upon checkin.

LICENSE EXAMS

Exams for Technician, General, Advanced and Extra Class on Saturday, February 8th, 10:00 A.M. Walk-ins will be taken on a space/exam availability basis. For guaranteed seating and completed 610 Form, copy of license (if upgrading), check in the amount of \$4.00 payable to ARRL/VEC to: WILLIAM MILLER, N4EFQ, 9910 Collins Ave., Bal Harbour, FL. 33154. Walk-ins wishing to upgrade will be required to have original license and should come to the exam area Saturday morning for further instructions. Mail-in exam requests should not be mailed after February 1st.

HANDICAPPED PARKING

Use GATE 3 on S.W. 24 STREET and proceed to North side of chainlink fence for parking instructions. Please write Dade Radio Club for **Handicapped Parking Permit**. Limited number available. Please use discretion in making request.

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FLORIDA SECTION — RADIO CLUB OF AMERICA LUNCHEON AND MEETING

Saturday, February 8, 1986

Ramada Hotel, 3941 N.W. 22 Street

11:30 A.M. Luncheon as Group in Ramada Dining Room

Members of QCWA, OOTC, SOWP Invited to Attend

1:00 P.M. — MEETING

Host: David Talley, W2PF

Guest Speaker: Fred M. Link, W2ALU

Those unable to attend Luncheon are cordially invited to join us for the Meeting.

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DX Booth, Saturday, 1:00 P.M. to 4:30 P.M.

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Saturday, 3:00 P.M. till ...

DX FORUM & BOOTH

Fairgrounds, Forum - Saturday morning
9:30 A.M. to 11:00 A.M. in Playhouse.

HAMBOREE

EST — FEBRUARY 8-9, 1986

SATURDAY PROGRAMS

- **HAMBOREE TREASURE HUNT — PART 1**
- **DX FORUM - SFDXA**
- **RADIO CONTROLLED AIRPLANES**
Jerry Fuhrman, N4CLI and Charlie Rodriguez
- **FCC FIELD BUREAU AT WORK**
John Theimer, FCC Eng. in Charge
- **POTTERY THROWING**
Linda Clyman
- **OSCAR/PACKET DEMONSTRATION**
Mike Crisler, N4IFD, John Pyle, K4SLF
- **ANTENNA DEMONSTRATION — PART 1**
Frank Rutter, K3AW
- **CPR-SURVIVAL TECHNIQUES FOR SPOUSES OF CLUMSY HAMS**
- **HISTORY OF LAND MOBILE RADIO**
Stuart Meyer, W2GHK
- **ARRL PRESIDENT'S REPORT**
Larry Price, W4RA
- **LOOKING BETTER THE MARY KAY WAY**
- **DX DINNER**
- **DIGITAL DINNER**

SUNDAY PROGRAMS

- **HAMBOREE TREASURE HUNT — PART 2**
- **AIR FORCE MARS MEETING**
- **NAVY MARS MEETING**
- **FLORIDA REPEATER COUNCIL & COORDINATOR'S MEETING**
- **ANTENNA DEMONSTRATION — PART 2**
Frank Rutter, K3AW
- **AMATEUR RADIO WORKSHOP**
One-on-One with a Gaggle of "Elmers"
- **HALLEY'S COMET AND HAM RADIO**
Nat Schnoll, W2PN
- **PACKET RADIO MANUFACTURERS FORUM**
AEA, GLB, Heath, Kantronics, PacComm, TAPR
- **EVERYTHING YOU WANTED TO KNOW ABOUT REAL ESTATE & CAN NOW ASK**
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Bill Pasternak, WA6ITF

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Nets fm p. 7

TPTN Reps: AA4FG 13, KA4NXF 1.

QFN Reps: N4KA 10, WC4D 7, KB9LT 3, WT4F 3, WX4H 1 and N4KFU 1.

Our sincere thanks to those stations that have volunteered as TPTN and QFN reps. Your help and support have played a major part in the success of the net. The net is always looking for help in picking up traffic to take to other nets, particularly QFN.

Happy to hear Mark, KY4U and Phil, WF4X back on the nets and apparently doing well. Understand Jim, NW4R is ill so we wish him a speedy recovery and hope to hear him again real soon.

As a final thought, we want to invite all of you to join us on FMSN at 5:30 p.m. any evening you can make it. We will be there every day at that time and when you QNI you will see that we operate the net at a comfortable CW speed and we look forward to making new check-ins feel welcome. Give us a try — You'll like it!

SOUTHWEST FLORIDA TRAFFIC NET

146.88/28 MHz Monday thru Saturday, 1000 Hours Local Time

KF4JA - Net Manager

WK4F - Asst. Net Manager

By Elsie Horton

Again our check-ins were over 1,000. We had a total of 1,179 check-ins. Number 1,000 was Bob Strathy, WV4F. Traffic also increased this month for a total of 249.

We were saddened by the loss of Jerry Quinn, WA4UKE who became a silent key on November 27th. Jerry was a faithful net member who brought a steady flow of traffic to our net.

Elmer, KZ8O, if recuperating at home and getting stronger after 21 days in the hospital. Dick, WD4MTC, is still in the hospital. He is improving steadily and hopes to get home very soon.

Marie, KB4KB, is on the sick list with a painful back. We miss her on the net and wish her a speedy recovery.

Net Control Stations for November were: W4MPV (4), K9ALX (4), WK4F (4), W3IJR (4), K4FQU (4), WD9AEP (3), KY0T (1), W4UIO (1) and K4OVC (1).

Liaison operators during November were: KB4KB (6), KF4JA (6), WA4EIC (5), KY0T (5), N4HAS (4), WD4CHO (3), WD9AEP (1) and KY8Y (1).

Merry Christmas and Happy New Year. 73, Elsie.

TROPICAL PHONE TRAFFIC NET

3940 KHZ Daily at 1700 Hours Local Time

By Elsie Horton, KF4JA, Net Manager

The TPTN had a good month for November. We had 850 check-ins and a traffic count of 492. Our efficient NCS's and traffic handlers did a wonderful job with check-ins and traffic! Thanks to all who brought traffic to our net. It is appreciated very much.

Back from a long summer absence and back on the roll call are Neal, WD4EQB; Al, N4IPY1 and Eunice, W1UKR. It is sure nice to have you back on TPTN again.

Swede, W41AH, was off the air most of November due to surgery, recovery period and moving into his new home. We missed you Swede. It certainly is wonderful to hear Phil, WF4X, back on the traffic nets again!

On November 27th Joel, N4JOA, was net control and did a wonderful job. This was his first NCS duty on TPTN. Thanks Joel! Joe, N4KFU, also helped out by serving as NCS on November 18th. Thanks!

Net control stations for November were: W4SME (6), WA4QXT (5), WD4KBW (5), W4ESH (5), AA4FG (4), KF4YE (3), N4JOA (1) and N4KFU (1).

Stations with 20 or more check-ins were: KA4AMC, KA4NXF (29); W4BCZ, KD4KK, KB4MON (28); W1UKR (26); WB4ADL, W4BKC, AA4FG, WD4IUI, KA4SIH (25); W4GUJ (24); W4ESH (23); K4EUK, N4IPY, KF4JA, WA4QXT, KC4VK (22); WB4WMR (21) and N4JAQ, W4LLA (20).

Merry Christmas and Happy New Year to all. 73, Elsie.

DX IN FLORIDA

By Tom Mannix, WA4YLD

Hello DX'ers from the SFDXA. All requests for information or comments about the column should be directed to W4WJ via the Callbook address, or the DX repeater 147.930/330.

The CQWW CW contest is now history and band conditions were not bad. We had KH6, ZL, ZS, coming through in the afternoon on 15 meters. There were some good ones on 10 meters also about the same time. Forty meters was jammed when the contest started and there were good ones to be worked above 7.025 in the general band sector. The low part of the sunspot cycle made it more difficult to get through the pileups — I heard N4BP, Bob calling D44BC at least five or more minutes before a response — and he's one of the more skilled contesters!! We all had a lot of fun and are looking forward to next year.

Now comes the problem of getting the QSL cards out for the least expense and the greatest ratio of returns. First, the least expensive takes the longest time for reply. That is the ARRL outgoing QSL Bureau. The cards require sorting alphabetically and are \$1.00/lb. postpaid to the bureau. You must be a member of ARRL and have envelopes in the incoming 4th call area INCOMING bureau. Details are published in the ARRL magazine QST. This has provided good response for all of us. MORE ON THIS NEXT MONTH.

The quickest for most responses is to send your card direct, and \$.44 cents postage will get it to any place in the world airmail. Avoid using stamps having the U.S. flag on them — I hate to say it but in some parts of the world the letter is stolen or "trashed" in anger and the card never arrives at the destination. The return postage is best provided by getting that country's stamps from the DX Stamp Service, 7661 Roder Pkwy., Ontario, NY, 14519. George is very accommodating about speed and returns. This avoids the problem of the DX station possibly pocketing "green stamp" you enclosed and forgetting about your card. More about getting the harder ones next month — GUD CX — CUL — 73.

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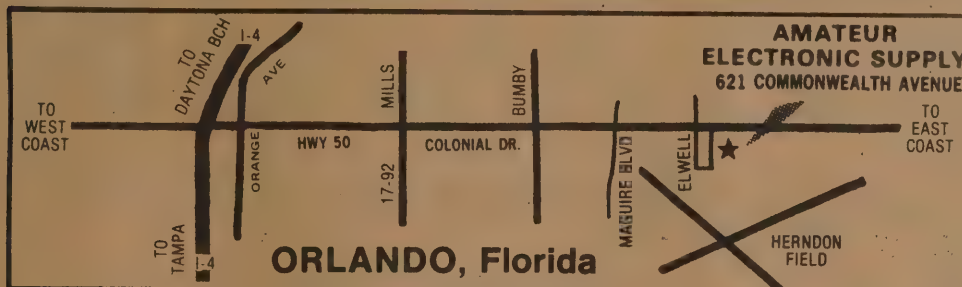
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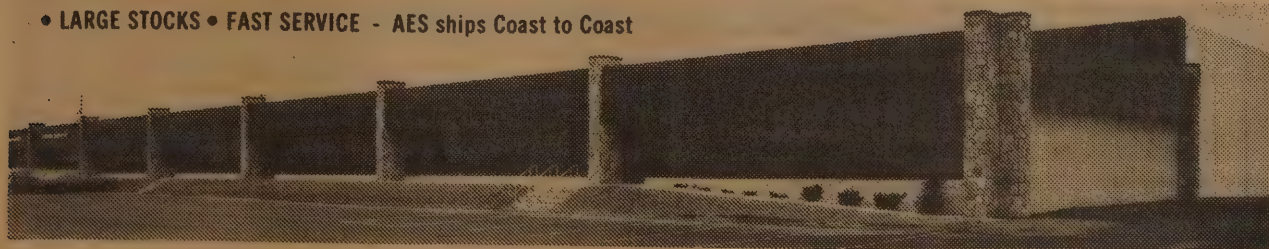
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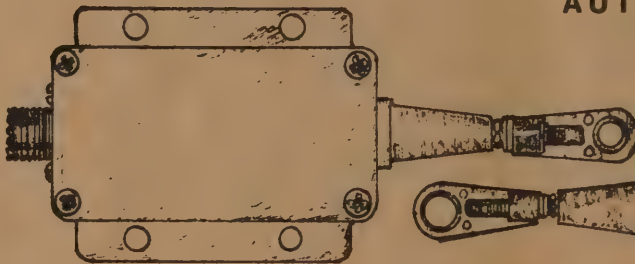


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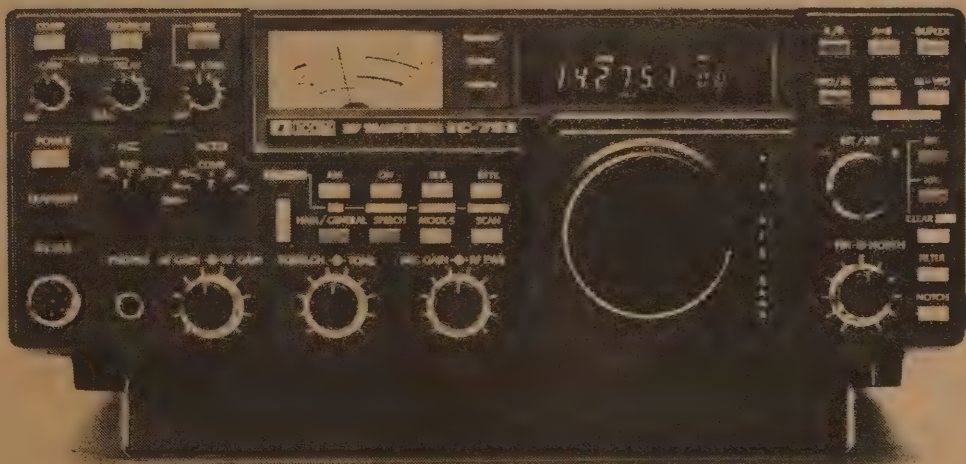
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QCWA, Inc.

QCWA STATE NEWS
Edited by Eli Nannis, K4JMH

FLORIDA QCWA STATE NEWS Edited by Eli Nannis, K4JMH

The form for the chapter report was part of the Sept., Oct. Hot Line report. Make sure that your secretary makes out this form, otherwise your chapter may be put on the inactive list. If you send in a roster to HQ, they will check it to see if your members' national membership is up-to-date. Our national president Leland Smith W5KL has been really getting around with his wife with a tour of Europe and the Far East. He attended many QCWA meetings including one at the Israel chapter. Recently he has been in our area and attended a number of local meetings. Life membership cards were sent out and a number of them contained errors and if you have a card that you wish changed, notify HQ. There are many memberships that expire the first of the year, so please check your expiration dates.

At the QCWA national convention in Winston-Salem, a former Florida member, Bud Waite W2ZK, was awarded the "Hall of Fame" for 1985 posthumously. His daughter received the award in his behalf.

We recently held a committee meeting to plan the 1986 QCWA convention in St. Petersburg on Oct. 31, Nov. 1, 1986. We have made plans to make this the best convention ever. There will be further information in the QCWA News. At this time, I wish all our Florida QCWA members a very Merry Christmas and a Happy New Year and I hope that Santa will bring us a Net Manager for the Sunday QCWA net.

HERNANDO CHAPTER: Our January meeting will be held at Christopher's Family Restaurant (the old Omaha) on U.S. 41, S. Brooksville, Tuesday, Jan. 21st. Thanks to Clark K4KYD and his XYL Mae for their work in getting us back in our old home. Forty-three members and guests enjoyed our annual picnic at McKethan Lake Park in the Withlacoochee State Forest on Nov. 19th. Again through the efforts of K4KYD, W4UFR and W4WPD Shirley Hill, the chapter purchased a 20 watt PA system for use at the meetings and other affairs. Leland Smith, W5KL, QCWA President and XYL joined us at the picnic. They were guests of Wes and Blanche Randles, W4COW/W4GXZ. We were honored and pleased to have them attend and address our group. Bob King K1ADU video taped the entire proceedings and it will be available for viewing at a future meeting. Officers for 1986 were elected and they were Carl Van Riper K4KYD President, Earl Hill W4UFR V.P., Regis Kramer W4ILE Secy./Treas. Fred Armes K4RX Board member and Lois Bixler W4PQN Board member. We look forward to a great year and thanks to our nominating committee, chaired by Win Knowlton K2BUM. At the meeting, a 50-year Certificate was presented to Allen Hotchkiss K4IKN by Leland Smith. Our new members are Ed Gearhart W8BHE of Dade City, L.E. Pappy Gleason W2BK1 of Zephyrhills and Martin Walters KA4KAR from Zephyrhills. The next QCWA-sponsored V.E. session will be held March 11th with ARRL as VEC and Bob Gordon W1LUL as contact/liaison person. Ed Tilton W1HDQ has returned and they have sold their Connecticut home and are now permanent Florida residents, at Spring Hill. Ed will be doing a short propagation forecast for our QCWA newsletter each month. We wish each and every one a very Merry Christmas and a happy and prosperous New Year.

—Reported by Regis Kramer, W4ILE

EVERGLADES CHAPTER: Our chapter meeting was held in Ray's Restaurant on Route 441 in Fort Lauderdale and was attended by 52 members and guests. A fine lunch was enjoyed by all present and then we settled down to business. Elections for the coming year were held. Ken Hookanson K4DVW was elected as President. George Graveson is Vice President and Ted Stern remains as Treasurer and Gerry Martin K4DI is still Secretary. Harry Belock AA2X is our newest member. An interesting program was a talk on Packet Radio. The talk was given by Mr. Tom Kneisel of the Motorola Co. He fully explained the technical details of this mode.

—Reported by Gerry Martin, K4DI.

SUNCOAST CHAPTER: Our chapter had a meeting at Davy's Locker on Nov. 6th. There were 65 members and guests present. Chairman Bob Bookwalter W4NQF presented a 50-year Continuously Licensed Certificate and a 50-year Certificate to Eb Long K4GEW. In return Eb presented Bob W4NWF a 50-year Certificate. John Willig W8ACE presented a contest which was won by Nash Walters W8SEL. As a result Nash will have to run the contest next month. Fred Berger K4GX gave an interesting talk on his trip to Russia.

—Reported by Bob Bookwalter, W4NWF

GATOR CHAPTER: At our luncheon meeting there were 50 members and guests. The next meeting will be on Dec. 7th and each member attending is requested to bring a gift. We celebrated our 19th anniversary of the chapter. There were 6 past presidents present and they were the first President Hal Bates W4OIN, Russ Chappell K4HI, Bob Conaughy K4OQ, Lou Weber K4HWS, Harry Cole W4DLL, and Paul Turner W1DLP. Bob K4OQ had his 82nd birthday this month and Irv W4CJ has his 55th wedding anniversary. We welcomed a new member Tennyson Freck W4WL No. 1303. A discussion was held on the 1986 QCWA national convention to be held on Oct. 31 and Nov. 1st, 1986. Our chapter net is run on Saturdays at 9:15 AM on 3920 but some members prefer to change to 2 meters on 146.55 S. The program was presented by Dr. Jack Greenfield of the U.S. Fish & wild Life government agency. He advised that the fishing grounds are becoming depleted and that imitation shell fish is now appearing on the market which actually taste better than the real thing and much cheaper. Our members were invited to attend the Pelican chapter picnic on Wednesday, Nov. 20th and also to meet the QCWA national President Leland Smith W5KL. Unfortunately the picnic had to be cancelled due to rain and was to be held on Nov. 22nd but Leland would not be able to attend as he would be on his way home. Two members of the Board of Directors were nominated for 1986. They were Paul Turner W1DLP and George Seibert K4KVD. The other officers remain as our elections are held every two years, except for the Board. It was also decided to look for another meeting place in a more central location.

—Reported by Eli Nannis, K4JMH

QCWA HIGHLAND COUNTY CHAPTER 121: The Chapter had a joint meeting with the Central Florida Chapter and heard it rights from those who know that QCWA will not raise dues unless unforeseen printing costs make it impossible for W4COW to continue to make enough investment income to cover those and the scholarships we provide. Leland told us that although we are not an international corporation we are having more chapters formed overseas. He told us about his visit to the one in Israel, and we heard about the VK and ZL plans. Our new officers for 1986 are K4JET John Cooper, Chairman, N4BIS Mal Nelson, V-Chairman and a NEW MEMBER NS4R Fay Daughtrey (our Highlands County CVE who has now got the proof of a quarter century licensed) will be our very efficient Secretary. We will hear about Packet Radio at our last 1985 meeting.

PELICAN CHAPTER: Forty-seven Pelicans and Gators and guests attended the annual Pelican chapter picnic at Lake Seminole State Park on Nov. 22nd. Due to inclement weather, the original picnic date had to be changed. Wes W4COW and Phil W4AZVO did a fine job in getting the picnic off to a good start. The ladies provided the salads, desserts, etc. The cooking had to be done in W4AZVO's motor home. Leland Smith W4KL could not remain for the picnic as he had previous commitments. The nominating committee slate of officers were President Phil Stern W4ZVO, V.P. Reg Iversen K4QZ, Secretary Frank Port W1ION, Treasurer Dutch Romic KF4DI. Directors were Cappy Grigsby AA4MF, Buck Lewis W4BV, Jack Mandel W4PLQ, Elvera Dressler W9TLJ and Red Spaulding W4PUZ. The next meeting will be at the EconoLodge in St. Petersburg on Dec. 18th. This will be our Christmas party and also election of the officers and directors. Nominations will be accepted from the floor.

—Reported by Art Monsees, W4BK

QCWA NOMINATIONS:

QCWA President, Leland Smith, W5KL, requests Ye Editor to serve on the 1986 Nominating Committee. I have accepted to serve under Jim Walsh, W7LVN, Eugene, Or. as Chairman. This is to advise all Chapters the FLOOR is open for nominations. Watch the National QCWA News publication for more details on which office will be open.



The Southeast Florida Chapter No. 12 held our annual picnic October 19th at the Enchanted Forest Park in North Miami with 40 OM's and XYL's (above) attending. Bad weather around town discouraged some, but during the picnic we lucked out with nice weather. Following lunch the main drawing was won by Ralph, W4DOX. The six winners in the "W4KO Brain Buster Quiz" also were awarded prizes. The ladies prize was won by the XYL of AG4R. After a brief business meeting the picnic broke up and everyone left for home to try and beat the incoming rain. -- Everyone really enjoyed the picnic and we plan to hold future gatherings at the same location. (Photo taken in two different shots, by XYL of W4KO.)

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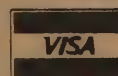
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WANTED: DRAKE MN-2700 antenna tuner. FOR SALE: Cubic, Astro 103 transceiver in mint condx, covers new WARC bands and include 2nd VFO built in \$495. Drake Aux-7 board, new \$65. NM-7 noise blanker for TR7, new \$65. each. Heath HO-10 monitor scope \$110. Astron 35M power supply \$110. Drake MS-4 speaker \$45. Tony Musero K3UKW, 1009 So. Iseminger St. Phila., PA 19148 215 271-8898.

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I wish to place a HAMBAR in Florida Skip. It should read as follows: (Five cents per word. Minimum \$2.00. Details see rate card.)

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Please print (legibly) or type copy. If additional space is required, clip or staple on separate sheet of paper. Thanks. Ye Ed, A.C.

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FOR SALE: VIC-20, C2N Cassette, Kantronics Interface, Hamsoft Software \$150. George Houser WD4FSV, 9469 SW 51 Ct., Cooper City, FL 33328 305 434-8079.

FOR SALE: 40 Ft. Tubular crank-up tower, building mount \$250. Mosley Classic 33 and HAM-M rotator \$125. excellent condx. Frank Gantz W4ICE, 5231 NW 3 Terr., Boca Raton, FL 33431 305 994-1208.

SELL: Tempo One three piece rig. Radio Speaker power supply, Digital frequency display. Ideal for new operator for starting out station. Tommy Thompson KB4HSR, P O Box 545, Crystal Beach, FL 34256 813 784-6909.

SELL: TRANSMITTERS CE-200V. Valiant I, Invader 200, Heath Maurauder, Clegg Zeus. Receivers - Drake 2C, National 240D, SX-28, RME-69, Clegg interceptor, Heath Mohawk. Ham-M rotor, Mosely TA-33 Sr., Misc parts. Back issues QST CQ 73 Ham Radio Magazines. Jeff Beals WB2OUK, 118 Capri Trail, Delray Beach, FL 33445 305 499-4156.

COMMERCIAL/AMATEUR ANTIQUE COLLECTORS: Have early model Bommie tape cutter, used in old WAX station to send perfect c.w. from 4 to 60 WPM. Good condition, black crackle finish. With roll of tape. REQUIRES 115 VDC to run. The last of its kind. Make offer and pick up only. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874 evenings and week ends.

FOR SALE: YAESU 902DM, amplifier Drake L4b, Cushcraft 4 element beam with matching tuner M-2000, two meter G7 antenna with rotor & 20 ft. tower, all \$1,800. Nelson Enriquez WA4ZMN, 13890 NE 3rd Ct., Miami, FL 33161 305 895-1978.

FOR SALE: TENTECE 645 Ultramatic Keyer, like new \$50. O.B. Mac Donell KB4ADA, 13132 NE 4th Ave., Miami, FL 33161 305 891-9448.

NEED SPACE MUST SELL: AMATEUR RADIO PUBLICATIONS: 58 HAM RADIOs from present month back. \$15. 8 1985 issues MODERN ELECTRONICS \$4. 14 issues (1984-5) POPULAR COMMUNICATIONS \$4.50. 40 CQ issues \$15. 6-73 issues \$2.50 7-issues ORBIT \$3. 44 issues QST, all like new \$15. Drake Manuals for R4B and T4XB xmtr \$8. each. ARRL Handbooks 1976 and 1981 \$2. each. Andy Clark W4IYT 41 Lenape Drive, Miami Springs, FL 33166 305 888-3874. MUST PICK UP OR PAY UPS CHARGES.

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SELL: WILSON System. One tri-band beam, needs several U-bolts works \$45. Rohn 25G tower 3-10 ft sections, one top section with TB-2 thrust bearing, work platform, house anchor, cement base, guys, Ham-M rotor \$240. KLM 7 element six meter lightweight beam \$50. Cushcraft, turn-style 2 meter beam 10 elements each 144/147 separate feedlines with 50 ft. RGH/U \$50. WANTED: AEA MBA-TEXT and DOCTOR DX for 6-64. Need money. Moving. Denis Scottorn NP4M, 7431 SW 1st St., Margate, FL 33068 305 721-1219.

ALPHA 77SX amplifier 2 - 8877 tubes with roll around consol, used very little. Perfect condition \$4,500.00. Ed Horton K4YNK 220 W 67 St. Jacksonville, FL 32208 Week days 800-282 7268 week nights 904 765-4360.

FOR SALE: DENTRON GLA1000 linear, 10 thru 80 meters, new tubes \$300. 10 meter ground plane antenna \$10. 2 meter Ringo Ranger ant. \$10. R. Sever WA8DBI, 610 Indian Rocks Rd. Apt. 110, Belleair Bluffs, FL 33540 813 585-3662.

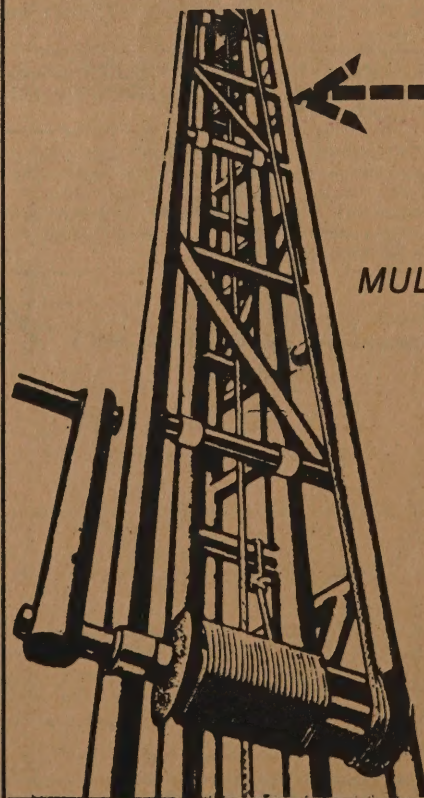
FOR SALE: YAESU FT101E with YD-844 desk mike. Clean, looks good, works well. With manual and original packing \$325. Ray Karjalainen KB2HN, 705 So. "C" St., Lake Worth, FL 33460 305 588-3608.

FOR SALE: 50 ft Rohn tower with Wilson tri-band beam, rotator, control Box, 8 cond cable & coax, real nice package for \$250. F. E. Rogers W5VJZ, Rt. 5 Box 309B, Arcadia, FL 33821 813 494-1912. also my TS830S with filters for 600 & R600 K W D for \$270.

SELL: Collins 32V3 transmitter, winged emblem, modified for CW only, 4-65 final, good condition, pick up only \$75. or best offer. W. J. Smith WD4HHA, 4402 Henderson Blvd., Tampa, FL 33629 813 837-4533.

SELL: 2 element quad for 10 & 15 meters \$40. 160 meter center loaded vertical \$20. Both ready for pickup. SWAN SWR 1A meter, door prize, never used \$20. Cress K4YL, 4908 4th Ave. Circle NW, Bradenton, FL 335529 813 746-7055.

SELL: SWAN 500C with a.c. and mobile power supplies \$300. TA-33 beam, Ham M rotator, tower \$250. SB-200 \$250. or all for \$700. Will not ship. Give away to clubs, libraries, schools, etc. CB Ts from the 1940's also many CQs will ship freight collect. Bud Trask K4DVG, 214 N. Volusia Ave., Orange City, FL 32763.



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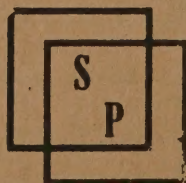
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FOR SALE: 100 ft. Rohn Commercial tower, all ready down and ready to haul. \$250. TRS-80 mod. I, Lev. II 48K computer with expansion interface, 2 percom disc drivers, monitor, manuals, with Holmes board making it cp/m compatible as well as the standard DOS. Scripsit, visicalc, versafile and other software. All for \$300. If I ship \$250. if you pick up. Ron Haltermon WA4HWN, 2376 Longboat Dr., Naples, FL 33942 813 774-2275.

FOR SALE: YEASU FR-7700 Communication receiver still with warrently card in orig case. 10Hz to 29.999 KHz. Brand new condition. 115 VAC or Boat or car 12 VDC. Digital readout. Rock stable! Paid \$560. will sell for \$395. I pay shipping. Rus Hults K7FAL, 3912 NW 58 Pl., Miami, FL 33166 305 871-4765.

FOR SALE: TRS III MBA text software for use with AEA CP-1 \$50.00. VF-7401 FM Xcvr with Power supply \$140. Gregg Eberman W2SDV, 2201 Brian Ave., South Daytona, FL 32015 904 761-0867.

SELL: TRS-80 model 3 with 48k memory, cassette recorder, cables and popular Scripsit Word Processor program along with many other programs \$295. Package including DMP 100 printer and cable \$485. I will ship. Richard Barrett, N2EVY, 6205 West Gwen Lane, Homosassa, FL 32646 (no phone no. given in ad.)

Xerox Telecopier. A homebrewer can construct a ? \$50. Debbie Dunlap KB4EWO, 11393 NW 3 Terr., Miami, FL 33172 305 226-3060.

FOR SALE: 2 Cruscraft 214-B two meter ant \$45. each. 50 ft. galvanized steel tower, cable and hardware \$100. ICOM IC-EX2 \$20. R. F. Ochs K4KCF, P.O. Box 3257, Lantana, FL 33466-3256 305 842-3462 before 9P.

WANTED: SB-644A remote VFO for SB-104A Heathkit HF Xcvr. Vic Edmondson W4MYF, Rt. 1 Box 2599, Lee F L 32059 904 971-5580.

SELL: KENWOOD 520, like new \$300. Stan Offenhutter, K4BLM, 250 SW 45 Ave., Miami, FL 33134 305 443-7340.

SELL: Frederick 1500-A receiver \$275. Frederick 1200 F.S.K. demodulator \$200. TMC radio transmitter G.P.T. (750-C-Z) \$375. Antenna tuning system 2-A/50 (AN-URA 27) \$275.. All including original manuals. Mint condition. Hammarlund SP-600 receiver \$195. National 400M receiver \$175. Good condition & manuals. Paul L. Martinez, 9205 SW 9th Terrace Miami, FL 33174 305 226-7492.

FOR SALE: ICOM AT-500 HF as new, full automatic antenna tuner, no manual \$300. or best offer. W. E. Becker WA4OOV, 4630 SW 13 Terr., Miami, FL 33134 305 448-5980.

FOR SALE: 220 MHz repeater system. In full operation with duplexers. All equipment in rack mounted in a locking cabinet with removeable doors. Very compact system, complete. Adam, WA4QQR, P.O. Box 4129, Margate, FL 33063 305 752-7781.

Sell: Regency 20 xtal scanner \$45. Yaesu mint 901DM, mic & manual \$475. Yaesu, mint FL2100F linear \$375. Yaesu 2M FT-230 25W trans, orig Box \$250. Yaesu FT-101B, A-1 condition with mic \$385. Heath monitor scope \$60. Norm W1TTT, 1543 Lpdza Road, West Palm Beach, FL 33415 305 969-0899.

WANTED: Schematics for AM COMM two meter FM transceiver Model S2 25. Formerly manufactured in Ft. Lauderdale. Winwood R. Miller WA4SPR, 10046 Hayward Rd., Spring Hill, FL 33526 904 683-6037.

FOR SALE: MIDLAND Mod 23-126 SWR bridge & field strength meter, handles kW and can leave in line continuously. With instructions \$15.00 Fedtro 6-outlet, 115 VAC with fault in std fuse, inductor light and switch in white plastic case & 6 ft. heavy duty cord & plug \$12. TRIPP-LITE, model PR-7 7 amps, precision regulated 13.8 v.d.c. power supply, like new with instant automatic reset \$35. 115VAC Muffin fans \$6.00 each. Andy Clark, W4IYT 41 Lenape Drive, Miami Springs, FL 33166 305 888-3874. ALL PLUS UPS.

WANTED: More Ham shack - Operators photos. Can be in color so long as colors not too dark. Club photos, of Field day, contests, or special events. Give details of person in photo please. Editor, Florida Skip.

WANTED: I have Kantronics Interface but need the software for my VIC-20. Reasonable please. Hank Helta WB4KRS, (Hamsoft), 208 5th Ave. S. Lake Worth, FL 305 585-6025.

FOR SALE: Hallicrafters FPM-300 10-80 meters Xcvr with HH mic & 48TV antenna. Package deal includes, spare finals, exc. condx \$250.00. Scott Gemeling KA4VSY, 2807 SW 68 Terr. Miramar, FL 33023 305-966-8363.

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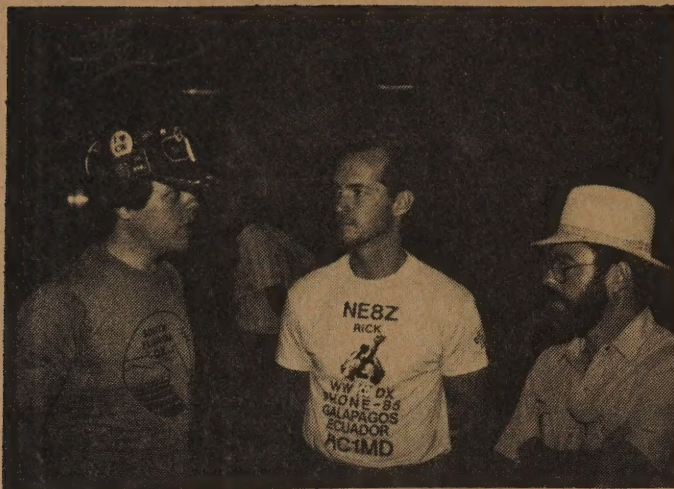
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January 1986, FLORIDA SKIP / 31



Don Murray W4WJ, President of the So. Florida DX Club (L) chat with Rick NE8Z/HC1MD and Alberto HC5AC about the Galapagos Operation at HC8X after all the smoke cleared. They met at the Miami International Airport while on the way home to the northern snow country. See DX Column elsewhere. (Photo by W5DZF) . . .

world learned of the tragedy through amateur radio. And for more than a week, ham operators around the world, including dozens here in the Bay area, stayed on the air night and day to communicate details of the relief effort and ease the fears of friends and family.

In times of such emergencies, the amateur radio operators of the Tampa Bay area have been among the unsung heroes. They deserve credit and a thank you.

(Via WD4APL)

FLORIDA'S PACKET RACKET RADIO

By Don Deem, WB4LLO

This is the second and final part of the article written by Ted Huf that appeared in the October Beacon titled "Lightning."

Good grounding of a ham station need not be difficult or very expensive. All the components are available locally. Use 5/8" copper coated steel ground rods at least 10' long. You can also use your well casing, if you have one. Use a heavy battery cable to bypass the bearings on rotors by jumpering around the rotor from the mast to the tower. Install feedlines inside the tower. This will help protect them from side flashes and prevent electromagnetic fields from being induced into the feed lines.

It is very important to have all of the grounds used at your station bonded together. Consider the following: The tower is grounded with a 10' ground rod, the transceiver is grounded with a rod outside the shack, and of course the power company ground is at the meter. Now suppose that lightning hits your tower with a stroke of 10,000 amps. Your tower is grounded, but let's say that it is 10 ohms resistance to earth (pretty good for Florida). The IR drop is 10,000 amps x 10 ohms = 100,000 volts. Some of the current will go to ground, but some will head for the shack on the feed line. Now a couple of things will happen; part of the current goes to ground at the shack ground rod, but some may flash over from the chassis to the power line to get to the power company's good ground system. The current that was passing on the shield of the coax feed line can also induce a voltage onto the center conductor which then might get into the RF section of your transceiver.

The idea of bonding all the grounds together is to give the current a controlled low resistance path to ground. Lightning will try its best to get to ground so give it a good path. The use of a number 6 or larger solid copper ground wire is suggested. Be sure that you make a good electrical connections. A good rod in the earth's surface sees an electrical resistance from earth itself. Large surges of current into a rod results in large voltages at the rod. Likewise a voltage gradient during a strike exists along the surface of the earth radially around the ground rod. This gradient can be several thousand volts per meter within a few meter radius of the rod. It is therefore not advisable to drive ground rods too close to

other grounds without bonding to them. This bonding keeps the rods at the same voltage thus preventing flash over.***

That concludes Ted Huf's article on "Lightning." If you have any comments for Ted, you may contact him via Packet in Stuart, Fla., or send your comments to me and I will forward them to him.

As I have mentioned previously, some of us in FADCA are involved in establishing a 220 Mhz network, and completing the two-meter network here in the state of Florida. We are having some difficulty in locating suitable crystal controlled transceivers to use in this network. If any of you have some old units that are working, or repairable stable stashed in a dusty corner somewhere, we could put them to very good use. Please contact me at the following address:

D. Deem, KB4LLO
4811 29th Ave. Dr. W.
Bradenton, Fla. 33529

HOMESTEAD LIONS NEED HAMS

The Homestead Lions Club is looking for ham radio operators to participate in the 1986 Hunting Lions in the Air Contest. The contest will begin on January 11, 1986 at 00:00 GMT and continue until January 12, 1986 at 12:00 GMT.

The contest is open to all licensed radio operators-Lion and non-lion, except members of the contest committee of the Lions Club of Rio de Janeiro (Arpoador).

The bands permitted are 80, 40, 20, 15, and 10 meters, Phone and CW.

The main objective of the contest is to "Create and Foster a Spirit of International Understanding and Cooperation" among Lions and ham radio operators through worldwide communications. The contest is held to commemorate the birthday of Melvin Jones, the founder of Lionism.

For more information please contact by January 5, 1986, Lion John Waterhouse, KB4EUT on 0147.00 -600/146.835 -600; call (305) 246-4931 or write 220 N.E. 12 Ave., Lot 40, Homestead, FL 33030. Or contact: Homestead Lions Club President, Jack Levy, 51 N. Krome Ave., Homestead, FL 33030; (305) 247-6711.

U.S. AIR FORCE MARS

By Phil McMasters, W4BCZ/AFA2XR

Propagation again was the cause of problems in our last Florida Administrative Net for November. AFA2SA in West Florida was able to be alternate Net Control and Relay members to AFF2PL. The Broward Hamfest was the scene of a meeting between our USAF MARS SMD and the Navy-Marine Corps, Florida Group.

We have now had our initial contact between the three service affiliate groups and found out that the Army has 40 Nets each week to handle traffic, whereas we have only one State Wide Net on Sunday afternoon. The other Nets that handle our message traffic are Region Two (2) Nets, so that we will need more Florida Nets if they are approved by the Region administration. They will be operating by the time you read this information. USAF has more problems than the other services as the Nets operate on Up-persideband. I remember when I was still working what we called "Castro patrol" in co-operation with USAF. It is not just a MARS problem, but one of many to get needed co-operation. This will also call for co-op of the frequency allocation unit. With all the terrible bombings and other terrorist acts, I am sure we amateurs will do what we can to help our Nation.

W400 PAYS FCC FINE

FCC advises that E.B. Sykes, W400, W. Palm Beach, has paid the \$1,927.37 court costs for his trial for refusal to pay his \$550 fine for his over-power operation on the 7 MHz Novice band. He was accused of deliberately operating so that the second harmonic of his transmissions would interfere with a neighboring amateur's operation on 14 MHz. The trial judge did not accept his plea that he made a mistake and reassessed the fine at \$500, which he also has paid.

(W5YI Report)

SEASONS GREETINGS TO ALL
OF YOU FROM ALL OF US!!!